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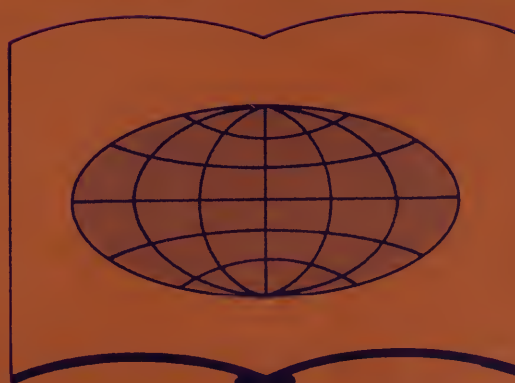
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Pesticides DOCUMENTATION BULLETIN

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Volume 5
March 14, 1969

Number 6



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U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

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Volume 5
March 14, 1969
Number 6

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the *Bulletin*'s issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

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Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

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The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

- Compound Tested
- Company furnishing the compound
- Author or Investigator
- Test Sponsor
- Date
- Location
- Mode of Application
- Rates of Application
- Soil Types
- Carriers
- Crops or Weeds tested with phytotoxicity ratings
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ACKNOWLEDGMENT

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Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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P Kohler
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V Labeurie
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P Nuorteva
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H Reichardt
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H Roberts
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1967 409.6 P76
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G C Steyskal

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Catalogs, Insect geography, Insect names, Insect taxonomy, Micropezidae.

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29 Mar 1968 420 N48J

Acanthoberytus wygodzinskiyi, Insect taxonomy.

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Formicidae, Insect biology, Insect taxonomy, Zoogeography.

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A L Teran

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Bruchidae, Host records, Insect morphology, Insect names, Insect taxonomy. English abstract

3135-69

COMMON NAMES OF BRITISH INSECT AND OTHER PESTS.

I Thomas H W Janson A D Aitken

Great Brit Min Agr Fish Food Bull (6):2-72

1968 10 G794B

Catalogs, Insects, Nematodes, Nomenclature, Slugs, Snails, Taxonomy.

Common and scientific names are listed for British arthropods, slugs, snails, and eelworms.

3136-69

NEW DANISH CICADELLIDS 2 (HEMIPTERA, CICADELLIDAE). (DA)

L Trolle

Flora Fauna 74(4):113-121 REF

Dec 1968 410 F662

Cicadellidae, Insect geography, Insect taxonomy. English abstract

3137-69

ISOPODA TERRESTRIA OF TURKEY, 4TH REPORT, AND ON THE ADAPTATION TO VOLVATION IN THE FAMILIES OF ARMADILLIDAE, EUBELIDAE AND ARMADILLIDAE. (GE)

K W Verhoeff H Strouhal

Zool Jahrbucher Abt Syst Okol Geogr Tiere

93(4):465-506 REF

1967 410 Z751S

Isopoda, Taxonomy.

3138-69

HEMIPTEROUS REDUVIIDAE AND PACHYNOMIDAE OF SUDAN AND ETHIOPIA. (FR)

A Villiers

Suomen Hyonteistieteellinen Aikakauskir Ann

Entomol Fenn 34(3):159-170 MAP

1968 421 SU7

Insect taxonomy, Nabidae, Reduviidae, Zoogeography.

3139-69

HEMIPTEROUS HENICOCEPHALIDAE OF SUDAN. (FR)

A Villiers

Suomen Hyonteistieteellinen Aikakauskir Ann

Entomol Fenn 34(3):156-159

1968 421 SU7

Enicocephalidae, Insect taxonomy, Zoogeography.

3140-69

A NEW SPECIES OF THE GENUS NYCTONYMPHA THOMPSON, 1868, WITH A KEY FOR DETERMINING THE BRAZILIAN SPECIES (COLEOPTERA, CERAMBYCIDAE, LAMIINAE). (POR)

D Zajciw

Rev Brasil Biol 28(4):423-425

Dec 1968 442.8 R326

Catalogs, Cerambycidae, Insect taxonomy.

3141-69

IMATHIA AND AMBLYCNEMUS (COLEOPTERA: CURCULIONIDAE: CRYPTORHYNCHINAE).

E C Zimmerman

Pacific Insects 9(2):187-196 REF

20 Jun 1967 421 P11

Curculionidae, Insect anatomy, Insect taxonomy, Zoogeography.

Abstract

PHYSIOLOGY AND BIOCHEMISTRY

3142-69

AN APHOLATE-RESISTANT STRAIN OF HOUSE FLIES. I. RESISTANCE TO OTHER CHEMOSTERILANTS AND TO INSECTICIDES.

R O Abasa E J Hansens

J Econ Entomol 62(2):334-338 REF

15 Apr 1969 421 J822

Apholate, Chemosterilants, Insect genetics, Insecticide resistant insects, Insecticides, Musca domestica.

3143-69

STUDIES ON THE ERADICATION OF ANOPHELES PHAROENSIS BY THE STERILE-MALE TECHNIQUE USING COBALT-60. VII. POPULATION DYNAMICS OF MOSQUITOES IN FAYOUM AREA, UAR.

A A Abdel-Malek A O Tantawy A M Wakid

J Econ Entomol 62(2):348-351

15 Apr 1969 421 J822

Anopheles pharoensis, Biological control (insects), Chemical control (insects), Cobalt isotopes, Culicidae, Egypt, Insect collecting equipment, Insect populations, Sterility.

3144-69

OBSERVATIONS ON THE AUSTRALIAN DIACALLA COMATA PASCOE (COLEOPTERA: ANTHICIDAE: EURYGENIINAE).

M Abdullah

Pakistan J Sci Indus Res 10(4):268-269

Oct 1967 475 P174

Anthicidae, Diacalla comata, Insect taxonomy.

3145-69

VARIATIONS IN THE NEUTRAL LIPIDS OF DYSDERCUS KOENIGII (HEMIPTERA) DURING ITS LIFE CYCLE.

H C Agarwal K D P Rao

J Insect Physiol 15(1):161-166 REF

Jan 1969 421 J825

Dysdercus koenigi, Insect biochemistry, Insect metabolism, Lipids.

3146-69

VARIATIONS IN STEROL AND STEROL ESTERS DURING DEVELOPMENT OF DYSDERCUS KOENIGII (HEMIPTERA).

H C Agarwal

Cur Sci 38(1):21-22

05 Jan 1969 475 SC123

Dysdercus koenigi, Esters, Insect biochemistry, Insect physiology, Metamorphosis, Sterols.

3147-69

MATERIALS EVALUATED AS INSECTICIDES, REPELLENTS, AND CHEMOSTERILANTS AT ORLANDO AND GAINSVILLE, FLA., 1952-1964.

U S D A Agr Handb (340):424P

Aug 1967 1 AG84AH

Chemosterilants, Insect control, Insect repellents, Insecticide residues, Insecticides, Larvicides, Methodology, Tables (data). The relative effectiveness of materials of known composition tested as insect control agents is listed.

3148-69

ISOLATION, IDENTIFICATION, AND SYNTHESIS OF THE SEX ATTRACTANT OF THE BLACK CARPET BEETLE. FINAL REPORT, JUNE 1, 1965 - OCTOBER 31, 1967.

6 P.

31 Oct 1967 QL597.R6

Attagenus megatoma, Attractants, Biochemistry, Chemicals, Insects, Reports, Sex, Tables (data).

3149-69

CHANGE IN THE SHAPE OF SILKWORM POLYHEDRA BY MEANS OF PASSAGE THROUGH CHICK EMBRYO.

K Aizawa

Entomophaga 6(3):197-201

1961 421 EN835

Bombyx mori, Chickens, Embryology, Insect physiology, Polyhedroses. French summary

3150-69

COCKROACHES AND SILVERFISH.

W C Allan

Ontario Dep Agr Publ 15:9P.

7 ON8P

Blattidae, Insect behavior, Insect control, Insecticides, Lepisma saccharina.

3151-69

IMPORTED CERAMBYCIDAE. (GE)

V Allenspach

Ent Soc Quebec Mem 17(2):36-37

Jun 1967 QL461.E56

Ancylonotus tribulus, Cerambycidae, Insect taxonomy, Moneilema armata, Plant hosts, Pogonocherus perroudi, Triplochiton scleroxylon.

3152-69

SUGARS AND TREHALASE IN THE REPRODUCTIVE ORGANS AND HEMOLYMPH OF THE QUEEN AND DRONE HONEY BEES (APIS MELLIFICA L. VAR. LIGUSTICA SPIN.).

E Alumot Y Lensky P Holstein

Compar Biochem Physiol 28(3):1419-1425 REF

Mar 1969 444.8 C73

Apis mellifera, Hemolymph, Insect biochemistry, Reproductive organs, Sugars, Trehalase.

3153-69

TOXICITY OF PETKOLIN AGAINST COTTON APHIDS (HEMIPTERA: APHIDIDAE).

M Anwarullah S S Qureshi S H Ashrafi

Pakistan J Sci Indus Res 10(4):251-253 REF

Oct 1967 475 P174

Aphis gossypii, Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Cotton, Endrin, Insecticides, Petkolin.

3154-69

PHEROMONES FROM THE ABDOMINAL BRUSHES OF MALE NOCTUID LEPIDOPTERA.

R T Aplin M C Birch

Nature 217(5134):1167-1168

23 Mar 1968 472 N21

Abdomen, Benzaldehyde, Breeding, Experimental insects, Leucaena, Noctuidae, Pheromones, Research, Scent glands.

3155-69

LETHAL LIMITS OF LOW TEMPERATURE FOR THE ALFALFA WEEVIL IN ILLINOIS.

E J Armbrust C E White J R DeWitt

J Econ Entomol 62(2):464-467

15 Apr 1969 421 J822

3156-69

Hypera postica, Insect physiology, Lethal factor, Temperature.

3156-69

PREPARATION TECHNIQUES FOR ICHNEUMONIDAE, FACILITATING THEIR SYSTEMATIC STUDY. (FR)

J-F Aubert

Entomophaga 6(2):103-108

1961 421 EN835

Ichneumonidae, Insect biology, Mounting, Research. English summary

3157-69

PRESENCE IN THE VINEYARDS OF THE TESIN, OF A NEARTIC CICADELLA, NEW FOR SWITZERLAND, SCAPHOIDEUS LITTORALIS BALL (HOM., JASSIDAE), A POSSIBLE CARRIER OF YELLOW MOSAIC. (FR)

M Baggiolini V Canevascini R Caccia Y Tencalla G Sobrio

Switzerland Stat Essais Agr Lausanne Publ 60(3/4):270-275

Apr 1968 105.5 SW63

Cicadellidae, Economics, Grape vineyards, Insect biology, Insect pests, Insect vectors, Mosaic, Plant disease transmission, Scaphoideus littoralis. Reprint from Communications of the Swiss Entomological Society, Lausanne, Switzerland.

3158-69

LIPID METABOLISM IN HELMINTH PARASITES--V. ABSORPTION OF FATTY ACIDS AND MONOGLYCERIDES FROM MICELLAR SOLUTION BY HYMENOLEPIS DIMINUTA (CESTODA).

H H Bailey D Fairbairn

Compar Biochem Physiol 26(3):819-836 REF

Sep 1968 444.8 C73

Biochemistry, Evolution, Helminths, Hymenolepis diminuta, Lipids.

Abstract

3159-69

ANOPHELINE MOSQUITOS FOUND BREEDING IN ISRAEL IN 1963-1965 DURING THE LAST STAGE OF THE MALARIA ERADICATION PROJECT.

A Barkai Z Saliternik

Bull Entomol Res 58(PT 2):353-366 MAP REF

Nov 1968 421 B87

Anopheles, Breeding, Malaria, Morphology, Reproduction.

3160-69

SUSCEPTIBILITY OF EGGS AND YOUNG ADULTS OF CRYPTOLESTES FERRUGINEUS AND C. TURCICUS TO HYDROGEN PHOSPHIDE.

P S Barker

J Econ Entomol 62(2):363-365 REF

15 Apr 1969 421 J822

Cryptolestes ferrugineus, Cryptolestes turcicus, Dosage, Fumigation, Insect eggs, Insect mortality, Insecticide resistant insects, Phosphine.

3161-69

A QUANTITATIVE BIOASSAY FOR THE SEX PHEROMONE OF EPIPHYAS POSTVITTANA (LEPIDOPTERA) AND FACTORS LIMITING MALE RESPONSIVENESS.

R J Bartell H H Shorey

J Insect Physiol 15(1):33-40

Jan 1969 421 J825

Biological assay, Diurnal rhythm, Epiphyas postvittana, Pheromones, Sex behavior.

3162-69

FRUCTOSE DIPHOSPHATE ALDOLASE DURING GROWTH AND DEVELOPMENT OF THE BLOWFLY, PHORMIA REGINA (MEIGEN).

A C Bauer L Levenbook

Compar Biochem Physiol 28(2):619-632 REF

Feb 1969 444.8 C73

Development, Fructosediphosphate aldolase, Insect biochemistry, Phormia regina.

3163-69

AQUANIRMUS SPECIES (INSECTA, MALLOPHAGA) OF RUMANIA'S FAUNA. (RUM)

I Bechet

Cluj Studia Univ Babes Bolyai 13(2):97-100

1968 403 C622

Birds, Insect ecology, Mallophaga, Parasitic insects. English and Russian summaries.

3164-69

NOTES ON THE BIOLOGY OF SOME AUSTRALIAN STICK INSECTS (PHASMATODEA).

G O Bedford

Entomol Soc Queensland J 7(1):81-82

Jun 1968 420 EN823

Fertility, Insect biology, Longevity, Phasmatodea.

3165-69

SERRATIA MARCESCENS FOUND IN EGGS OF HELIOTHIS ZEA: TESTS AGAINST TRICHOPLUSIA NI.

J V Bell

J Invertebrate Pathol 13(1):151-152

Jan 1969 421 J826

Bacteria, Biological control (insects), Experimental insects, Heliothis zea, Insect diseases, Insect eggs, Serratia marcescens, Trichoplusia ni.

3166-69

COMPARATIVE SUSCEPTIBILITY IN THE LABORATORY OF LARVAL INSTARS OF TRICHOPLUSIA NI AND PIERIS RAPAE TO BACILLUS THURINGIENSIS VAR. THURINGIENSIS.

J V Bell C S Creighton

J Invertebrate Pathol 12(2):180-187 REF

Nov 1968 421 J826

Bacillus thuringiensis, Insect diseases, Laboratories, Larvae, Pieris rapae, Trichoplusia ni.

3167-69

THE ELECTRICAL ACTIVITY OF COCKROACH VISCERAL MUSCLE FIBERS.

P Belton B E Brown

Compar Biochem Physiol 28(2):853-863 REF

Feb 1969 444.8 C73

Bio-electric potential, Insect biochemistry, Muscles, Periplaneta americana.

3168-69

ON THE ECOLOGY OF PROSPALTELLA PERNICIOSI TOWER (HYM. APHELINIDAE), A SPECIFIC PARASITE IMPORTED BY QUADRASPIDIOTUS PERNICIOSUS COMST. (HOM. DIASPINIDAE). (FR)

C Benassy H Bianchi

Entomophaga 5(2):165-181 REF

1960 421 EN835

Aspidiotus perniciosus, Ecology, Homoptera, Hymenoptera, Parasitism, Prospaltella perniciosi. English summary

3169-69

INFLUENCE OF MATING, INSEMINATION, AND OTHER FACTORS ON OOGENESIS AND OVIPOSITION IN THE MOTH ZEIRAPHERA DINIANA.

G Benz

J Insect Physiol 15(1):55-71 REF

Jan 1969 421 J825

Insect reproduction, Oogenesis, Oviposition, Zeiraphera diniana.

3170-69

ON THE COMPONENTS OF SECRETION OF MANDIBULAR GLANDS OF THE ANT (LASIUS (DENDROLASIUS) FULIGINOSUS).

R Bernardi C Cardani D Ghiringhelli A Selva A

Baggini M Pavan

Tetrahedron Lett (40):3893-3896 REF

Oct 1967 385 T29

Biochemistry, Dendrolasin, Formicidae, Glands (insects), Lasius fuliginosus, Mandibular glands, Secretion.

3171-69

VOLATILE NEUTRAL COMPOUNDS EMANATING FROM LABORATORY-REARED COLONIES OF THE DESERT LOCUST, SCHISTOCERCA GREGARIA.

M M Blight J F Grove A McCormick

J Insect Physiol 15(1):11-24 REF

Jan 1969 421 J825

Acetates, Carbon dioxide, Insect biochemistry, Insect rearing, Schistocerca gregaria, Volatile substances, Water.

3172-69

THE BIONOMICS AND CONTROL OF ARGYROSTAGMA NIOBE (WEYM.) AND DASYCHIRA GEORGIANA FAWC. (LEP., LYMANTRIIDAE) ON BLACK WATTLE IN KENYA.

J A Bullock R G Smith

Bull Entomol Res 58(PT 2):255-277 MAP REF

Nov 1968 421 B87

Acacia, Biology, Dasychira georgiana, Economics, Insect control, Lepidoptera, Lymantriidae.

3173-69

ABSORPTION MEASUREMENTS ON BUTTERFLIES OF THE GENUS ZYGAEANA FAB. (LEP.) AS AN EXPLANATION OF THE LITORAL MELANISM. (GE)

H Burgeff H Fetz

Biol Zentralbl 87(6,NOV-DEC):689-703

Dec 1968 442.8 B523

Insect color, Insect evolution, Melanism, Radiobiology, Zygaena. English abstract

3174-69

SOME REMARKS ON THE HEMIPTERA-HETEROPTERA: THEIR IMPORTANCE OF SOME AUXILIARY INSECTS AND THE POSSIBILITY OF THEIR UTILIZATION IN BIOLOGICAL CONTROL. (FR)

J Carayon

Entomophaga 6(2):133-141 REF

1961 421 EN835

Biological control (insects), Hemiptera, Heteroptera, Insect behavior, Insect control. English summary

3175-69

THE MOSQUITOES OF NEVADA.

H C Chapman

Nev Univ Max C Fleischmann Coll Agr T 43 P.

REF

Jun 1968 S537.M3A26

Aedes, Anopheles, Culex, Culicidae, Culiseta, Insect biology, Insect control, Insect identification, Insect taxonomy, Zoogeography.

3176-69

METABOLISM OF DIAZINON-C14 IN WESTERN CORN ROOTWORM BEETLES.

C C Conaway C O Knowles

J Econ Entomol 62(2):286-289 REF

15 Apr 1969 421 J822

Carbon isotopes, Chromatography, Diabrotica virgifera, Diazinon, Insect biochemistry, Insect metabolism, Organophosphorus compounds.

3177-69

COMPARATIVE STUDY OF SOME GLANDS OF BEES (HYMENOPTERA, APOIDEA) AND THE RESPECTIVE EVOLUTIONARY IMPLICATIONS. (POR)

C da Cruz Landim

Arq Zool Estad Sao Paulo 15(3):177-290 REF

27 Jul 1967 410 AR6

Apoidea, Insect evolution, Insect histology, Insect morphology, Salivary glands. English abstract

3178-69

THE PRESENCE OF LIPID SUBSTANCES IN THE SALIVARY GLANDS OF TRIGONA (HYMENOPTERA, APOIDEA). (POR)

C da Cruz Landim F R Puga

Sao Paulo Dep Zool Papeis Avulsos 20(7):65-74

REF

28 Mar 1967 410.9 SA63

Apoidea, Insect biochemistry, Insect physiology, Lipids, Salivary glands. English abstract

3179-69

MULTIPLE MATING OF GLOSSINA MORSITANS WESTW. AND ITS POTENTIAL EFFECT ON THE STERILE MALE TECHNIQUE.

D A Dame H R Ford

Bull Entomol Res 58(PT 2):213-219

Nov 1968 421 B87

Biological control (insects), Breeding, Glossina morsitans, Insect behavior, Reproduction, Sterility.

3180-69

EASY RECOGNITION OF MATED FEMALES OF THE EUROPEAN PINE SHOOT MOTH.

G E Daterman

J Econ Entomol 62(2):527-528

15 Apr 1969 421 J822

Insect behavior, Insect reproduction, Rhyacionia buoliana.

3181-69

DEVELOPMENT OF THE BAIT PRINCIPLE FOR BOLL WEEVIL CONTROL: CALCO OIL RED N-1700 DYE FOR MEASURING INGESTION.

R J Daum G H McKibben T B Davich R McLaughlin

J Econ Entomol 62(2):370-375 REF

15 Apr 1969 421 J822

Anthonomus grandis, Baits, Chromic oxide, Digestion, Dyes, Insect metabolism.

3182-69

LABORATORY BREEDING OF PIERIS BRASSICAE TRANSMITTING A GRANULOSIS VIRUS.

W A L David B O C Gardiner S E Clothier

J Invertebrate Pathol 12(2):238-244 REF

Nov 1968 421 J826

Breeding, Granuloses, Insect diseases, Insect rearing, Pieris brassicae, Viruses.

3183-69

QUANTITATIVE DIETARY REQUIREMENTS FOR HISTIDINE IN THE SAW-TOOTHED GRAIN BEETLE, ORYZAEPHILUS SURINAMENSIS (L.) (COLEOPTERA, SILVANIDAE).

G R F Davis

Compar Biochem Physiol 28(2):741-746 REF

Feb 1969 444.8 C73

Histidine, Insect metabolism, Insect nutrition, Oryzaephilus surinamensis.

3184-69

RESPONSE OF ADULT SOUTHERN POTATO WIREWORMS TO LIGHT TRAPS.

A Day W J Reid

J Econ Entomol 62(2):314-318

15 Apr 1969 421 J822

Attractants, Conoderus falli, Insect behavior, Insect collecting equipment, Insect traps, Light traps.

3185-69

SOME FACTORS AFFECTING ECLOSION OF GLOSSINA MORSITANS WESTW. FROM PUPAE.

G J Dean F Wilson S Wortham

Bull Entomol Res 58(PT 2):367-377 REF

Nov 1968 421 B87

Eclosion, Glossina morsitans, Insect biology, Pupae.

3186-69

PREPARATION TECHNIQUES FOR MICROHYMENOPTERA. (FR)

V Delucchi

Entomophaga 6(2):109-113

1961 421 EN835

Hymenoptera, Insect biology, Mounting. English summary

3187-69

SOURCES OF ALCOHOL DEHYDROGENASE (NAD0-LINKED) IN THE COCKROACH, LEUCOPHAEA MADERAE.

C W Despreaux L L Pierre

Can J Microbiol 15(3):257-258 REF

Mar 1969 448.8 C162

Alcohol dehydrogenase, Enzymes, Fat body, Insect biology, Insect cultures, Leucophaea maderae, Parasitic insects, Symbiosis, Synthesis.

3188-69

INITIATION OF POLLEN CONSUMPTION AND POLLEN MOVEMENT THROUGH THE ALIMENTARY CANAL OF NEWLY EMERGED HONEY BEES.

A Dietz

Entomol Soc Amer Ann 62(1):43-46

15 Jan 1969 420 EN82

Apis mellifera, Consumption, Emergence, Gastrointestinal system, Insect nutrition, Insect physiology, Pollen.

3189-69

STUDIES ON THE NEUROSECRETORY SYSTEM OF THE FEMALE MOLE CRICKET GRYLLOTALPA AFRICANA (ORTHOPTERA: GRYLLOTALPIDAE).

G S Dogra

J Zool 152(2):163-178 REF

Jun 1967 410.9 L84P

Gryllotalpa africana, Gryllotalpidae, Insect histology, Nervous system, Secretion.

3190-69

TWO NEW SPECIES OF DACINAE (DIPTERA: TRYPETIDAE) FROM NEW GUINEA.

R A I Drew

Entomol Soc Queensland J 7(1):77-79

Jun 1968 420 EN823

Dacinae, Insect identification, Insect morphology, Insect taxonomy.

3191-69

CONTRIBUTIONS TO THE STUDY OF THE OVIPOSITOR IN BOMBILIDAE. (RUM)

L Dusa

Cluj Studia Univ Babes Bolyai 13(2):77-86

1968 403 C622

Bombyliidae, Insect anatomy, Insect morphology, Ovipositors. English and Russian summaries.

3192-69

EFFECTS OF GAMMA RADIATION ON THE TOBACCO BUDWORM. I. IRRADIATION OF PUPAE. II. IRRADIATION OF MOTHS. III. IRRADIATION OF EGGS AND LARVAE.

E I El Sayed J B Graves

J Econ Entomol 62(2):289-298 REF

15 Apr 1969 421 J822

Dosage, Gamma rays, Heliothis virescens, Insect control, Insect eggs, Insect physiology, Larvae, Longevity, Pupae.

3193-69

PHYSIOLOGICAL FACTORS INFLUENCING THE TOXICITY OF CARBAMATE INSECTICIDES TO INSECTS.

S A El-Aziz R L Metcalf T R Fukuto

J Econ Entomol 62(2):318-324 REF

15 Apr 1969 421 J822

Apis mellifera, Blattella germanica, Carbamates, Chemical control (insects), Insect physiology, Musca domestica, Synergism.

3194-69

SELECTION AND HOST PLANT OVERLAP IN TWO DESERT PAPILIO BUTTERFLIES.

T C Emmel J F Emmel

Ecology 50(1,WINTER):158-159

1969 410 EC7

Feeding, Food plants, Insect physiology, Insect populations, Papilionidae, Rainfall.

3195-69

STUDIES ON NEOTROPICAL POMPILIDAE (HYMENOPTERA) IV. EXAMPLES OF DUAL SEX-LIMITED MIMICRY IN CHIRODAMUS.

H E Evans

Psyche 75(1):1-22

Mar 1968 421 P95

Chirodamus, Insect genetics, Mimicry, Pompilidae.

3196-69

SELECTION METHODS FOR PATHOGENIC FORMS OF MICROORGANISMS. (FR)

A A Evlakhova O I Chvetzova

Entomophaga Mem Hors Ser (2):521-529 REF

1964 421 EN835M

Bacillus cereus, Bacteria, Biological control (insects), Cobalt isotopes, Galleria mellonella, Gamma rays, Insect diseases, Insecticides, Methodology, Microorganisms, X-rays. English summary.

3197-69

EFFECTS OF THE B. T. DELTA-ENDOTOXIN PRODUCED BY BACILLUS THURINGIENSIS VAR. DENDROLIMUS ON THE HEMOLymph OF THE SILKWORM, BOMBYX MORI.

R M Faust E M Dougherty

J Invertebrate Pathol 13(1):155-157

Jan 1969 421 J826

Bacillus thuringiensis, Bacteria, Biological control (insects), Bombyx mori. Culture media, Endotoxins, Experimental insects, Hemolymph, Injections, Insect diseases.

3198-69

SPERMATOPHYTES IN ARTHROPS AND THEIR EVOLUTION AS FAR AS INSECTS ARE CONCERNED. (IT)

G Fiori

Accad Naz Ital Entomol Atti 9:31-54 REF

1961 420 AC2

Arthropoda, Evolution, Insect physiology, Insects, Reproduction, Research, Spermatophores, Spermatozoa.

3199-69

ATTRACTANTS FOR THE JAPANESE BEETLE.

W E Fleming

U S D A Tech Bull (1319):86P REF

Feb 1969 1 AG84TE

Attractants, Baits, Chemicals, Insect pests, Insect traps, Plants, Popillia japonica, Sex attractants, Smell, Spraying.

3200-69

THE BEHAVIOR OF BEES VISITING RUNNER BEANS (PHASEOLUS MULTIFLORUS).

J B Free

J Appl Ecol 5(3):631-638 REF

Dec 1968 410 J828

Bee behavior, Bombus, Insect ecology, Insect physiology, Scarlet runner beans.

3201-69

WINTER SURVIVAL IN ARIZONA OF THURBERIA WEEVILS RELEASED FROM THURBERIA BOLLS.

R E Fye J E Leggett

J Econ Entomol 62(2):467-470

15 Apr 1969 421 J822

Anthonomus grandis thurberiae, Cotton, Hibernation, Insect mortality, Insect physiology, Longevity.

3202-69

COMPOUNDS AFFECTING FERTILITY OF ADULT HOUSE FLIES.

R L Fye G C LaBrecque A B Borkovec J Morgan

J Econ Entomol 62(2):522-524

15 Apr 1969 421 J822

Biological control (insects), Chemical control (insects), Chemosterilants, Fertility, Musca domestica, Sterility. The author lists the compounds tested.

3203-69

THE EXTERNAL MORPHOLOGY AND LIFE HISTORY OF THE PSEUDOSCORPION RONCUS LUBRICUS.

P D Gabbutt M Vachon

J Zool 153(4):475-498 REF

Dec 1967 410.9 L84P

Chelonethida, Insect biology, Insect morphology, Roncus.

3204-69

REARING EULEUCOPHAEUS RUBRIDORSA AND E. LEX (SATURNIIDAE).

3205-69

B O C Gardiner

J Res Lepidoptera 6(1):53-58

Mar 1967 421 J827

Insect physiology, Insect rearing, Saturniidae, Temperature.

3205-69

LABORATORY REARING OF THE TOBACCO FLEA BEETLE.

A G Gentile F P Cuthbert

J Econ Entomol 62(2):245-254

15 Apr 1969 421 J822

Epitrix hirtipennis, Insect rearing, Insect rearing equipment.

3206-69

THE PROVENTRICULUS OF SOME TRICHOPTEROUS LARVAE.

D G Gibbs

J Zool 152(2):245-256

Jun 1967 410.9 L84P

Hydropsyche, Insect morphology, Larvae, Polycen-tropodidae, Trichoptera.

3207-69

SEASONAL POPULATION CHANGES IN COCOA CAPSIDS (HEMIPTERA, MIRIDAE) IN GHANA.

D G Gibbs A D Pickett D Leston

Bull Entomol Res 58(PT 2):279-291 REF

Nov 1968 421 B87

Cocoa, *Distantiella theobroma*, Hemiptera, Miridae, Population, *Sahlbergella singularis*, Seasonal variation.

3208-69

TYROSINASE ACTIVITY OF THE SYMBIONTS AND FAT BODIES OF THE COCKROACH, LEUCOPHAEA MADERAE.

C Goldberg L L Pierre

Can J Microbiol 15(3):253-255 REF

Mar 1969 448.8 C162

Enzymes, Fat body, Insect genetics, Insect physiology, *Leucophaea maderae*, Melanins, Parasitic insects, Phenolases, Symbiosis, Synthesis.

3209-69

FEEDING LARVAE OF THE JAPAN BEETLE IN THE LABORATORY.

H F Goonewardene D B Zepp

J Econ Entomol 62(2):514-515

15 Apr 1969 421 J822

Feeding, Insect rearing, Insect rearing equipment, Larvae, *Popillia japonica*, Temperature.

3210-69

ON THE PRESENCE OF ADENOTRIPHOSPHATASE ACTIVITY OF BOTH SODIUM AND POTASSIUM (NA, K ATPASE) IN THE NERVE CORD OF PERIPLANETA AMERICANA. (IT)

A Grasso E Sampaolo

Ist Super Sanit Ann 3(5):567-569 REF

1967 R65.18

ATPase, Central nervous system, Insect biochemistry, Insect physiology, *Periplaneta americana*, Potassium, Sodium.

3211-69

THE CARABIDAE OF ESTONIA. (ES)

H Haberman

598P MAP REF TALLINN, USSR, KIRJASTUS VALGUS

1968 QL596.C2H3

Carabidae, Illustrations, Insect biology, Insect ecology, Insect identification, Insect morphology, Insect taxonomy, Zoogeography. German and Russian summaries.

3212-69

PSEUDOMONAS AERUGINOSA IN SPECIES OF DIABROTICA.

E W Hamilton

J Invertebrate Pathol 12(2):188-191

Nov 1968 421 J826

Bacteria, *Diabrotica*, Insect diseases, *Pseudomonas aeruginosa*.

3213-69

RADIATION SENSITIVITY OF DROSOPHILA EMBRYOS IN RELATION TO AGE, IN AIR AND IN NITROGEN.

E Havin P Oftedal

Int J Radiat Biol 14(2):149-160 REF

1968 444.8 IN8

Aging, Air, *Drosophila*, Embryology, Insect biology, Insect physiology, Irradiation, Nitrogen, Radioactivity, X-rays. French and German summaries.

3214-69

SAMPLING FOR APHIDS BY TRAPS AND BY CROP INSPECTION.

G D Heathcote J M P Palmer L R Taylor

Ann Appl Biol 63(1):155-166 REF

Feb 1969 442.8 AN72

Aphididae, Attractants, Crops, Insect traps, Inspection (agricultural products).

3215-69

A STUDY OF FREE AMINO ACIDS IN RICE MOTH LARVAE DURING MYCOTOXICOSIS.

U C Hegde E R B Shanmugasundaram

Can J Comp Med Vet Sci 32(1):392-394 REF

Jan 1968 41.8 C162

Amino acids, *Aspergillus flavus*, *Corcyra cephalonica*, Insect biology, Larvae, Moths, Mycotoxicosis, Research, Rice.

3216-69

PREPARATION OF ENTOMOPHAGOUS DIP-TERA. (GE)

B Herting

Entomophaga 6(2):115-116

1961 421 EN835

Diptera, Insect biology, Predaceous insects. French summary

3217-69

DAILY FLUCTUATIONS IN THE CONCENTRA-TIONS OF TOTAL SUGAR AND URIC ACID IN THE HEMOLYMPH OF PERIPLANETA AMER-ICANA.

S D Hilliard A Butz

Entomol Soc Amer Ann 62(1):71-74 REF

15 Jan 1969 420 EN82

Diurnal rhythm, Hemolymph, Insect cultures, Insect physiology, Locomotion, *Periplaneta amer-icana*, Photoperiodism, Sex behavior, Sugar, Tem-perature, Uric acid.

3218-69

RNA ISOLATED FROM POLYHEDRA OF A NUCLEAR POLYHEDROSIS OF THE SILK-WORM.

M Himeno K Onodera

J Invertebrate Pathol 13(1):87-90 REF

Jan 1969 421 J826

Adenine, *Bombyx mori*, Cytosine, Guanine, Insect diseases, Polyhedra, Polyhedroses, Ribonucleic acid, Uracil, Virology.

3219-69

STUDIES ON THE BIOLOGY OF RHYSSA PER-SUASORIA (L.) (HYMENOPTERA: ICHNEU-MONIDAE) INCORPORATING AN X-RAY TECHNIQUE.

H Hocking

Entomol Soc Queensland J 7(1):1-5

Jun 1968 420 EN823

Biological control (insects), Forest insects, Insect biology, Parasitism, *Pinus radiata*, Predaceous in-sects, *Rhyssa persuasoria*, *Sirex noctilio*, X-rays.

3220-69

A REVIEW OF THE PROBLEM OF INSECTI-CIDE RESISTANCE IN AUSTRALIA.

G H S Hooper

Entomol Soc Queensland J 7(1):67-76 REF

Jun 1968 420 EN823

Acarina, Chemicals, Insect biochemistry, Insect genetics, Insecticide resistant insects, Tables (data). The author lists instances of resistance in Acarines and insect pests and the chemicals in-volved.

3221-69

CAFFEINE-INDUCED ACTIVATION OF CON-TRACTION IN STICK INSECT SKELETAL MUSCLE.

H Huddart

Compar Biochem Physiol 28(3):1185-1192 REF

Mar 1969 444.8 C73

Bio-electric potential, Caffeine, *Carausius morosus*, Insect physiology, Muscles.

3222-69

THE ABSORPTION AND STORAGE OF INSEC-TICIDE BY AN IN UTERO LARVA OF THE TSETSE FLY GLOSSINA PALLIDIPES AUST.

N. S. Irving

Bull Entomol Res 58(PT 2):221-226

Nov 1968 421 B87

Absorption, *Glossina pallidipes*, Insect physiology, Insecticides, Larvae, Storage.

3223-69

LABORATORY MATING BEHAVIOR OF THE PLUM CURCULIO.

A W Johnson S B Hays

J Econ Entomol 62(2):438-440

15 Apr 1969 421 J822

Conotrachelus nenuphar, Insect behavior, Insect physiology.

3224-69

HYPSIPYLA ROBUSTA MOORE, A NEW HOST FOR BEAUVERIA TENELLA (DELACROIX) SIEMASZKO.

D Kandasamy

J Invertebrate Pathol 13(1):149-150

Jan 1969 421 J826

Beauveria tenella, Entomogenous fungi, *Hypsipyla robusta*, Insect biology, Insect diseases, Sympto-matology.

3225-69

THE INACTIVATION OF ECDYSONE IN CAL-LIPHORA ERYTHROCEPHALA MEIGEN. (GE)

P Karlson C Bode

J Insect Physiol 15(1):111-118

Jan 1969 421 J825

Calliphora vicina, Ecdysone, Enzymes, Fat body, Hormones, Insect biochemistry. English summary.

3226-69

CHANGES IN BODY WEIGHT, FAT, GLYCOGEN, AND PROTEIN DURING DIAPAUSE OF TROGODERMA GRANARIUM.

G K Karnavar K S S Nair

J Insect Physiol 15(1):95-103 REF

Jan 1969 421 J825

Diapause, Fats, Glycogen, Insect biochemistry, Insect metabolism, Proteins, *Trogoderma granarium*.

3227-69

CONVERSION OF SERINE TO GLYCINE DUR-ING THE FORMATION OF EGG-SHELLS IN THE SILKWORM, BOMBYX MORI.

H Kawasaki H Sato M Suzuki N Ojima

J Insect Physiol 15(1):25-32 REF

Jan 1969 421 J825

Bombyx mori, Glycine, Insect biochemistry, Insect eggs, Insect morphology, Proteins, Serine, Synthesis.

3228-69

THE STRUCTURE AND POSSIBLE MODE OF FUNCTIONING OF THE FEMALE REPRODUC-TIVE SYSTEM IN NASONIA VITRIPENNIS (HYMENOPTERA: PTEROMALIDAE).

P E King N A Ratcliff

J Zool 157(3):319-344 REF

Mar 1969 410.9 L84P

Host relationships, Insect physiology, *Nasonia vitripennis*, Parasitic insects, Reproductive organs.

3229-69

SEASONAL OCCURRENCE AND PHYSIOLO-GY OF CULEX TARSALIS IN FOOTHILLS OF FRESNO COUNTY, CALIFORNIA.

J W Kliever T Miura H C Chapman

Entomol Soc Amer Ann 62(1):13-18 REF

15 Jan 1969 420 EN82

Culex tarsalis, Fat body, Insect biology, Insect ecology, Insect migration, Insect physiology, Larvae, Weather, Zoogeography.

3230-69

THE GIANT BARK BEETLE (DENDROCTONUS MICANS KUGEL) IN GEORGIA (USSR). (GE)
D Kobachidze

Anz Schadlingskunde 40(5):65-68

May 1967 421 AN9

Dendroctonus micans, Insect biology, Insect ecology, Insect migration, Insect nutrition, Insect pests, Predaceous insects, Zoogeography.

3231-69

CONCERNING BACILLUS THURINGIENSIS AND ITS APPLICATIONS. (GE)

A Krieg

Berlin Biol Bundesanst Land-forstwirtschaft Mitt

(125):7-106 REF

Nov 1967 410.9 G31M

Bacillus thuringiensis, Biochemistry, Biological control (insects), Insect diseases, Lepidoptera, Morphology, Pathogenic bacteria, Physiology, Toxins.

3232-69

INFLUENCE OF OOPHAGOUS PARASITES ON THE REGULATION OF THE CASSIDA DEFLODATA SUFF. POPULATION. (FR)

V Labeyrie

Entomophaga 6(4):257-263 REF

1961 421 EN835

Biological control (insects), Cassida deflorata, Insect control, Parasitism, Population. English summary

3233-69

EFFECT OF ALPHA-METHYL-DL-TRYPTOPHAN ON TRYPTOPHAN METABOLISM OF MUSCA DOMESTICA L..

G A Lancaster T L Sourkes

Compar Biochem Physiol 28(3):1435-1441 REF

Mar 1969 444.8 C73

Enzymes, Insect biochemistry, Insect metabolism, Musca domestica, Tryptophan.

3234-69

SYSTEMATIC FOUNDATIONS OF FOREST ANT REPRODUCTION IN GERMANY. (GE)

R Lange

Entomophaga 5(1):81-86 REF

1960 421 EN835

Forest insects, Formica polyctena, Formica rufa, Formicidae, Population, Reproduction, Taxonomy.

3235-69

CHANGES IN REDUCING CARBOHYDRATES AND TREHALOSE DURING DEVELOPMENT OF EGGS FROM YOUNG AND OLD TENEBRIO MOLITOR L.

D Ludwig G F Rajendram L J Ramazzotto

N Y Entomol Soc J 76(1):27-31 REF

29 Mar 1968 420 N48J

Carbohydrates, Insect eggs, Insect morphology, Insect physiology, Tenebrio molitor, Trehalose.

3236-69

THE OCCURENCE OF A RICKETTSIALIKE ORGANISM IN A NOCTUID.

P Luthy J M Burke

J Invertebrate Pathol 13(1):158

Jan 1969 421 J826

Diagnosis, Electron microscopy, Insect diseases, Noctuidae, Rickettsia-like organisms, Rickettsial diseases.

3237-69

PRODUCTION OF FOURTH-INSTAR PINK BOLLWORM LARVAE FROM SODIUM HYPOCHLORITE-TREATED AND UNTREATED EGGS.

C L Mangum W O Ridgway M T Ouye

J Econ Entomol 62(2):515

15 Apr 1969 421 J822

Insect eggs, Insect rearing, Larvae, Pectinophora gossypiella, Sodium hypochlorite.

3238-69

NORTHERN RECORDS OF THE GENUS CULISETA FELT IN AUSTRALIA WITH THE DESCRIPTION OF A NEW SPECIES (DIPTERA: CULICIDAE).

E N Marks

Entomol Soc Queensland J 7(1):43-56 REF

Jun 1968 420 EN823

Culiseta, Insect biology, Insect identification, Insect taxonomy, Zoogeography. Other species of culiseta are described.

3239-69

A CYTOPLASMIC POLYHEDROSIS OF HEMEROCAMPA PSEUDOTSUGATA.

M E Martignoni P J Iwai K M Hughes R B Addison

J Invertebrate Pathol 13(1):15-18

Jan 1969 421 J826

Biological assay, Hemerocampa pseudotsugata, Histochemistry, Inclusion bodies, Insect diseases, Insect histology, Larvae, Polyhedroses, Virology.

3240-69

NUTRIENTS DERIVED FROM THE FUNGUS CULTURED BY THE FUNGUSGROWING ANT ATTA COLUMBIA TONSIPIES.

M M Martin R M Carman J G MacConnell

Entomol Soc Amer Ann 62(1):11-13

15 Jan 1969 420 EN82

Amino acids, Carbohydrates, Culture media, Ergosterol, Formicidae, Glucose, Insect nutrition, Lipids, Mannitol, Proteins, Sterols, Trehalose.

3241-69

INFLUENCE OF LARVAL POPULATION DENSITY ON THE DEVELOPMENT OF CERATITIS CAPITATA WIED. II. (SP)

M L Martinez-Beringola

Soc Espan Hist Natur Bol Secc Biol 64(4):351-

360

1966 442.9 SO18

Ceratitis capitata, Density, Fertility, Insect morphology, Insect populations, Larvae, Longevity, Quantitative analysis. English summary.

3242-69

THE GENUS CROTCHIA FOWLER (COL. LANGURIIDAE). III. SPECIES WITH PARALLEL-SIDED ELYTRA. (POR)

U R Martins C Costa

Sao Paulo Dep Zool Papeis Avulsos 20(6):59-64

28 Mar 1967 410.9 SA63

Crotchia, Insect taxonomy, Languriidae, Zoogeography. English abstract.

3243-69

TRANSFER OF CHEMOSTERILANT BY TEPA-STERILIZED MEXICAN FRUIT FLIES.

M W McFadden

J Econ Entomol 62(2):511-512

15 Apr 1969 421 J822

Anastrepha ludens, Biological control (insects), Chemical control (insects), Chemosterilants, Sterility, Tepa.

3244-69

DIGESTIBILITY STUDIES WITH CELLULOSE-U-C14 ON LARVAE OF THE PALE WESTERN CUTWORM, AGROTIS ORTHOGONIA.

A J McGinnis R Kasting

J Insect Physiol 15(1):5-10 REF

Jan 1969 421 J825

Agrotis orthogonia, Carbon isotopes, Cellulose, Insect diets, Insect metabolism, Insect physiology, Larvae.

3245-69

DEVELOPMENT OF THE BAIT PRINCIPLE FOR BOLL-WEevil CONTROL. III. FIELD-CAGE TESTS WITH A FEEDING STIMULANT AND THE PROTOZOANS MATTESIA GRANDIS (NEOGREGARINIDA) AND A MICROSPORIDIAN.

R E McLaughlin R J Daum M R Bell

J Invertebrate Pathol 12(2):168-174

Nov 1968 421 J826

Anthonomus grandis, Baits, Feeding, Insect cages, Insect control, Mattesia grandis, Morphology, Stimulants.

3246-69

THE CONTRIBUTION OF ITALY TO RESEARCH CONCERNING THE USE OF NUCLEAR ENERGY IN INSECT CONTROL. (IT)

A Melis

Accad Naz Ital Entomol Atti 10:32-41

1962 420 AC2

Dacus oleae, Energy, Insect control, Irradiation, Musca domestica, Polyploidy, Research, X-rays.

3247-69

SITE OF ACTION OF PHARMACOLOGICALLY ACTIVE COMPOUNDS ON THE HEART OF PERIPLANETA AMERICANA L.

T Miller R L Metcalf

J Insect Physiol 14(3):383-394 REF

Mar 1968 421 J825

Acetylcholine, Arecoline, Atropine, Dorsal vessel, Myocardium, Nerves, Periplaneta americana, Pharmacology.

3248-69

MINOR BROOD DISEASES AND DISORDERS.

Great Brit Min Agr Fish Food Adv Leaflet (561):1-

5

Apr 1968 10 G79LA

Apiculture, Bee diseases, Disease control, Fungus diseases (insects), Galleriidae, Insect genetics, Sacbrood, Temperature.

The causal agents, symptoms and treatments of several brood diseases of bees are presented. Destruction of the colony and/or requeening are the recommended control measures in most cases.

3249-69

NOSEMA DISEASE AND AMOEBA DISEASE.

Great Brit Min Agr Fish Food Adv Leaflet (473):1-

8

Apr 1968 10 G79LA

Acetic acid, Apis mellifera, Fumagillin, Insect diseases, Malpighamoeba mellificae, Nosema apis, Nosema disease.

The epizootiology, diagnosis, and treatment of nosema and amoeba diseases in honey bees and the life cycles of the causal organisms are discussed. Clean combs, fumigation with acetic acid and drug therapy with fumagillin are recommended control measures.

3250-69

LANGSTROTH AND MODIFIED DADANT (M D) HIVES.

Great Brit Min Agr Fish Food Adv Leaflet (549):1-

6

May 1967 10 G79LA

Apiaries, Apiculture, Insect rearing equipment, Methodology.

Construction methods are provided for both Langstroth and modified Dadant bee hives.

3251-69

EFFECT OF THE BRAIN ON THE SUB-OESOPHAGEAL GANGLION AND DETERMINATION OF VOLTINISM IN BOMBYX MORI.

S Morohoshi T Oshiki

J Insect Physiol 15(1):167-175

Jan 1969 421 J825

Bombyx mori, Brain, Ganglion cells, Insect physiology.

3252-69

DIFFERENCES BETWEEN THE INVERTEBRATE FAUNAS OF GRAZED AND UNGRAZED CHALK GRASSLAND. II. THE FAUNAS OF SAMPLE TURVES.

M G Morris

J Appl Ecol 5(3):601-611 REF

Dec 1968 410 J828

Berlese funnel, Grazing, Insect ecology, Invertebrates, Pastures, Ranges.

3253-69

3253-69

SUSCEPTIBILITY OF SEVERAL FOREST INSECTS OF BRITISH COLUMBIA TO COMMERCIALY PRODUCED BACILLUS THURINGIENSIS. I. STUDIES ON THE PHYSIOLOGICAL PROPERTIES OF SOME COMMERCIAL PRODUCTS.

O N Morris

J Invertebrate Pathol 13(1):134-146 REF

Jan 1969 421 J826

Bacillus thuringiensis, Bacteriology, Biochemistry, Biological control (insects), Canada, Culture media, Forest insects, Insect disease resistance, Insect diseases, Physiology, Susceptibility.

3254-69

STUDIES ON THE DISPERSAL OF DIELDRIN-RESISTANT CABBAGE ROOT FLY.

D J Mowat T H Coaker

J Appl Ecol 5(3):591-599 REF

Dec 1968 410 J828

Chlorinated hydrocarbons, Dieldrin, Erioischia brassicae, Genes, Insect dissemination, Insecticide resistant insects.

3255-69

THE DISTANCE AND CONTACT-ORIENTATION OF MOSQUITOES (AEDES AEGYPTI). (HOST FINDING, BITING AND BLOOD-SUCKING). (GE)

W Muller

Z Vergleichende Physiol 58(3):241-303 REF

15 Mar 1968 444.8 Z3

Aedes aegypti, Chemoreceptors, Insect behavior, Insect physiology, Olfactometers. English summary.

3256-69

METABOLISM OF S35-PARATHION IN THE HOUSE FLY.

T Nakatsugawa N M Tolman P A Dahm

J Econ Entomol 62(2):408-411 REF

15 Apr 1969 421 J822

Insect biochemistry, Insect metabolism, Musca domestica, Parathion, Sulfur isotopes.

3257-69

EFFECTS OF RAINFALL ON RANGE FORAGE AND POPULATIONS OF GRASSHOPPERS, SAN CARLOS APACHE INDIAN RESERVATION, ARIZONA.

N J Nerney A G Hamilton

J Econ Entomol 62(2):329-333

15 Apr 1969 421 J822

Forage plants, Grasshoppers, Insect behavior, Insect populations, Rainfall. The author lists the different types of vegetation in the area and response of insect populations.

3258-69

THE LEAFHOPPER VECTORS OF PHYTOPATHOGENIC VIRUSES (HOMOPTERA, CICADELLIDAE) TAXONOMY, BIOLOGY, AND VIRUS TRANSMISSION.

M W Nielson

U S D A Tech Bull 1382:386P REF

Aug 1968 1 AG84TE

Cicadellidae, Homoptera, Insect biology, Insect taxonomy, Insect vectors, Virus diseases (plants), Zoogeography.

3259-69

POPULATION BIOLOGY OF TROPICAL AFRICAN BUTTERFLIES. SEX RATIO AND GENETIC VARIATION IN ACRAEA ENCEDON.

D F Owen D O Chanter

J Zool 157(3):345-374

Mar 1969 410.9 L84P

Acraea encedon, Insect genetics, Polymorphism, Population, Sex.

3260-69

SUMMARY OF CHEMICAL, PHYSICAL, BIOLOGICAL AND MEDICAL RESEARCH ON PEDERIN, EXTRACTED FROM THE COLEOPTERA PAEDERUS FUSCIPES CURT. (IT)

M Pavan

Accad Naz Ital Entomol Atti 10:119-124

1962 420 AC2

Biochemistry, Extracts, Paederus fuscipes, Pharmacology, Research, Toxins. French summary

3261-69

HEDGES. IV. A COMPARISON BETWEEN THE CARABIDAE OF A HEDGE AND FIELD SITE AND THOSE OF A WOODLAND GLADE.

E Pollard

J Appl Ecol 5(3):649-657 MAP REF

Dec 1968 410 J828

Carabidae, Habitats, Insect ecology, Insect physiology, Insect traps, Zoogeography.

3262-69

A STUDY OF AREA OCCUPATION AND MATING BEHAVIOR IN INCISALIA IROIDES (LEPIDOPTERA: LYCAENIDAE).

J A Powell

N Y Entomol Soc J 76(1):47-57 REF

29 Mar 1968 420 N48J

Incisalia iroides, Insect behavior, Lycaenidae, Sex behavior.

3263-69

RESEARCH ON OOGENESIS, FERTILIZATION, EGG SEGMENTATION, AND SPERMATOGENESIS IN CALOGLYPHUS BERLESEI MICHAEL 1903 AND C. MICHAELI Oudemans 1924 (ACARI, ACARIDAE). (GE)

J Prasse

Biol Zentralbl 87(6,NOV-DEC):757-775 REF

Dec 1968 442.8 B523

Caloglyphus, Embryology, Insect eggs, Insect physiology, Oogenesis, Reproduction, Spermatogenesis. English abstract

3264-69

CONTRIBUTIONS TO THE STUDY OF THE MORPHO-FUNCTIONAL CONSTITUTION OF THE FEMALE EXTERNAL GENITALIA IN CHALCIDIDS. (RUM)

V G Radu M Botoc

Cluj Studia Univ Babes Bolyai 13(2):71-76

1968 403 C622

Chalcididae, Insect morphology, Insect physiology, Reproductive organs. English and Russian summaries.

3265-69

STUDIES ON THE PHOSPHOLIPASE A IN LARVAE OF CULEX PIPIENS FATIGANS.

R H Rao D Subrahmanyam

J Insect Physiol 15(1):149-159 REF

Jan 1969 421 J825

Culex pipiens quinquefasciatus, Enzymes, Insect biochemistry, Larvae, Phospholipase.

3266-69

A MIXED COLONY OF TWO SPECIES OF PLEBEIA (HYMENOPTERA, APOIDEA). (POR)

J A Rezende

Sao Paulo Dep Zool Papeis Avulsos 20(2):9-12

28 Mar 1967 410.9 SA63

Apoidea, Bee behavior, Nesting habits, Social insects. English abstract

3267-69

RESISTANCE TO AMERICAN FOULBROOD IN HONEY BEES. X. COMPARATIVE MORTALITY OF QUEEN, WORKER, AND DRONE LARVAE.

T E Rinderer W C Rothenbuhler

J Invertebrate Pathol 13(1):81-86 REF

Jan 1969 421 J826

American foulbrood, Apis mellifera, Bacillus larvae, Insect disease resistance, Insect diseases, Insect physiology, Larvae, Mortality.

3268-69

THE DETERMINING FACTORS IN THE APPEARANCE OF WINGED FORMS AMONG APHIDS. (IT)

D Roberti

Accad Naz Ital Entomol Atti 9:21-30 REF

1961 420 AC2

Aphididae, Humidity, Insect genetics, Insect morphology, Insect nutrition, Temperature, Wings (insects).

3269-69

SENSITIVITY OF TORTRICIDAE LARVAE TO THE ACTION OF CRYSTALS ASSOCIATED WITH THE THERMOSTABLE TOXIN OF BACILLUS THURINGIENSIS BERLINER, SEROTYPE I. (FR)

R Roehrich

Phytiat-phytopharm 16(2):91-95

Jun 1967 464.8 P564

Bacillus thuringiensis, Carpocapsa pomonella, Grapholitha molesta, Heat, Larvae, Lobesia botrana, Tortricidae.

3270-69

RESISTANCE TO AMERICAN FOULBROOD IN HONEY BEES. IX. EFFECTS OF HONEY-BEE LARVAL FOOD ON THE GROWTH AND VIABILITY OF BACILLUS LARVAE.

R I Rose J D Briggs

J Invertebrate Pathol 13(1):74-80 REF

Jan 1969 421 J826

American foulbrood, Apis mellifera, Bacillus larvae, Food, Growth factors, Inhibitors, Insect disease resistance, Insect diseases, Larvae, Quantitative analysis.

3271-69

CHEMICAL CONTROL OF AN ORGANOPHOSPHORUS- AND CARBAMATERESISTANT STRAIN OF BOOPHILUS MICROPLUS (CAN.) FROM QUEENSLAND.

W J Roulston B F Stone J T Wilson L I White

Bull Entomol Res 58(PT 2):379-392 REF

Nov 1968 421 B87

Boophilus annulatus microplus, Carbamates, Chemical control (insects), Insecticide resistant insects, Organic compounds, Phosphorus.

3272-69

METHOD OF HINDERING THE METAMORPHOSIS AND REPRODUCTION OF ARTHROPODES. PATENT 3,429,970.

R Ruegg P Schmialek

Us Patent Office Offic Gaz 859(4):1250-1251

25 Feb 1969 156.65 OF2

Arthropoda, Insect reproduction, Insecticides, Metamorphosis, Methodology, Patents.

3273-69

STUDIES OF AN INSECT MYCOSIS. I. HISTOPATHOLOGY OF THE INTEGUMENT OF THE INFECTED QUEEN OF THE MOUND-BUILDING TERMITE ODONTOTERMES OBESUS.

A Sannasi

J Invertebrate Pathol 13(1):4-10 REF

Jan 1969 421 J826

Aspergillus flavus, Cuticle, Entomogenous fungi, Histochemistry, Insect diseases, Insect histology, Mycosis, Odontotermes obesus, Phenols.

3274-69

STUDIES OF AN INSECT MYCOSIS. II. BIOCHEMICAL CHANGES IN THE BLOOD OF THE QUEEN OF THE MOUND-BUILDING TERMITE ODONTOTERMES OBESUS ACCOMPANYING FUNGAL INFECTION.

A Sannasi

J Invertebrate Pathol 13(1):11-14 REF

Jan 1969 421 J826

Ascorbic acid, Aspergillus flavus, Biochemistry, Blood analysis, Entomogenous fungi, Insect diseases, Melanosis, Mycosis, Odontotermes obesus, Tyrosine.

3275-69

MYCETANGIAL GLANDS AND THEIR SEASONAL CHANGES IN GNATHOTRICHUS RETUSUS AND G. SULCATUS.

I A Schneider J A Rudinsky

Entomol Soc Amer Ann 62(1):39-43

15 Jan 1969 420 EN82

Fungi, Gnathotrichus retusus, Gnathotrichus sulcatus, Hibernation, Insect flight, Insect physiology, Secretion, Symbiosis, Temperature, Weather.

3276-69

INVESTIGATIONS CONCERNING THE CONTROL OF THE APPLE MOTH (*CARPOCAPSA POMONELLA* (L.)) WITH THE AID OF *TRICHOGRAMMA EMBRYOPHAGUM* HARTIG. (6E)

F Schuette J M Franz

Entomophaga 6(4):237-247 REF

1961 421 EN835

Biological control (insects), *Carpocapsa pomonella*, Insect control, Research, *Trichogramma embryophagum*, *Trichogrammatidae*. English summary

3277-69

ATTRACTANTS FOR THE JAPANESE BEETLE.

P H Schwartz D W Hamilton

J Econ Entomol 62(2):516-517

15 Apr 1969 421 J822

Attractants, *Popillia japonica*. The author lists the compounds tested as attractants.

3278-69

THE ECOLOGY OF THE IMMATURE STAGES OF *Aedes detritus* (DIPTERA: CULICIDAE).

M W Service

J Appl Ecol 5(3):613-630 MAP REF

Dec 1968 410 J828

Aedes detritus, Insect ecology, Insect eggs, Larvae, Marshes.

3279-69

BORON CHEMOSTERILANTS AGAINST SCREW-WORM FLIES: STRUCTURE-ACTIVITY RELATIONSHIP.

J A Settepani M M Crystal A B Borkovec

J Econ Entomol 62(2):375-383

15 Apr 1969 421 J822

Biological control (insects), Boron compounds, Chemical control (insects), Chemosterilants, *Cochliomyia hominivorax*, Hydrolysis, Insect mortality, Oviposition.

3280-69

CHANGES IN HEMOLYMPH TOTAL SOLIDS AND BLOOD VOLUME OF THE GREATER WAX MOTH, *Galleria mellonella*, DURING THE COURSE OF STARVATION.

M Shapiro

J Invertebrate Pathol 13(1):63-67 REF

Jan 1969 421 J826

Blood analysis, Blood volume, Experimental insects, *Galleria mellonella*, Hemolymph, Quantitative analysis, Starvation.

3281-69

AN ELECTRON MICROSCOPE STUDY OF CHANGES IN MITOCHONDRIA OF FLIGHT MUSCLE OF AGEING HOUSEFLIES (*MUSCA DOMESTICA*).

J Simon P L Bhatnagar N S Milburn

J Insect Physiol 15(1):135-140 REF

Jan 1969 421 J825

Electron microscopy, Glycogen, Insect biochemistry, Insect flight, Mitochondria, *Musca domestica*, Muscles.

3282-69

OILS: THEIR EFFECT ON BLACK CARPET BEETLE LARVAE WHEN APPLIED TO DIFFERENT TYPES OF SURFACES.

J W Slominski W L Gojmerac W E Burkholder

J Econ Entomol 62(2):507-508

15 Apr 1969 421 J822

Attagenus megatoma, Chemical control (insects), Insect mortality, Mineral oil, Surface-active agents.

3283-69

A TECHNIQUE FOR MASS REARING THE SOUTHERN ARMYWORM IN THE LABORATORY.

Z Smilowitz J E Dewey

J Econ Entomol 62(2):502-503

15 Apr 1969 421 J822

Insect physiology, Insect rearing, Insect rearing equipment, Methodology, *Prodenia cridania*.

3284-69

THE INFLUENCE OF CLIMATIC FACTORS ON THE DEVELOPMENT OF *CLYSIANA AMBIGUELLA* HB. (IT)

M Solinas

Accad Naz Ital Entomol Atti 10:125-132 REF

1962 420 AC2

Climate, *Clysiana ambiguella*, Demography, Insect behavior, Insect morphology, Zoogeography. English summary.

3285-69

A SIMPLE METHOD FOR MEASURING THE MOTOR ACTIVITY OF FLEAS (*XENOPSYLLA CHEOPI* ROTH.).

S Sternberg M Bar-Zeev

Riv Parassitol 27(2):143-148

Jun 1966 436.8 R52

Aging, Insect physiology, Locomotion, Measurement, Temperature, *Xenopsylla cheopis*. Italian summary.

3286-69

NOTES ON THE BIOLOGY AND REARING OF *ANAPHES OVIENTATUS*, A NEW PARASITE OF *LYGUS HESPERUS* IN ARIZONA.

A Stoner D E Surber

J Econ Entomol 62(2):501-502

15 Apr 1969 421 J822

Anaphes ovientatus, Insect biology, Insect cages, Insect rearing, *Lygus hesperus*, Parasitic insects.

3287-69

CONTRIBUTIONS TO THE BIOLOGY OF *DIRHICNUS ALBOANNULATUS* (RATZ.) (HYM. CHALCIDIDAE) AS A BASIS FOR MASS PRODUCTION FOR BIOLOGICAL CONTROL. (GE)

A Szmidi

Entomophaga 5(2):155-162

1960 421 EN835

Biological control (insects), Biology, Chalcididae, *Dirhincus alboannulatus*, Hymenoptera. English summary

3288-69

RESPONSE OF OVERWINTERED BOLL WEEVILS TO REFLECTED LIGHT, ODOR, AND ELECTROMAGNETIC RADIATION.

H M Taft A R Hopkins H R Agee

J Econ Entomol 62(2):419-424 REF

15 Apr 1969 421 J822

Anthonomus grandis, Attractants, Electromagnetic waves, Hibernation, Insect behavior, Insect physiology, Light, Smell.

3289-69

APHID TRAPPING.

Tasmanian J Agr 39(2):105

May 1968 23 T182T

Aphididae, Insect collecting equipment, Insect traps, Suction traps.

3290-69

SEX DIFFERENCES IN LONGEVITY OF STARVED COCKROACHES (*LEUCOPHAEA MADERAE*).

R L Taylor W C Freckleton

J Invertebrate Pathol 13(1):68-73

Jan 1969 421 J826

Experimental insects, Injections, Insect nutrition, *Leucophaea maderae*, Longevity, Sex, Starvation, Statistical analysis.

3291-69

RESPONSES OF THE PALES WEEVIL TO NATURAL AND SYNTHETIC HOST ATTRACTANTS.

H A Thomas G D Hertel

J Econ Entomol 62(2):383-386 REF

15 Apr 1969 421 J822

Attractants, Biological assay, *Hylobius pales*, Insect behavior, *Pinus taeda*, Plant extracts, Terpenoids. The author lists the extracts used and the chemicals tested and the insect responses.

3292-69

A POLYETHYLENE BAG FOR DISPERSING THE SYNTHETIC SEX PHEROMONE OF THE CABBAGE LOOPER.

H H Toba A N Kishaba W W Wolf

J Econ Entomol 62(2):517-518

15 Apr 1969 421 J822

Bags, Pheromones, Polyethylene, Sex attractants, *Trichoplusia ni*.

3293-69

OSMOTIC PRESSURE OF HEMOLYMPH OF *RHYNCHOSCIARA ANGELAE* NONATO AND PAVAN, 1951 (DIPTERA, MYCETOPHILIDAE). (POR)

M Tokumaru M D G Ferri T U Worsmann

Rev Brasil Biol 28(4):439-445 REF

Dec 1968 442.8 R326

Hemolymph, Insect physiology, Larvae, Osmotic pressure, *Rhynchosciara*. English abstract

3294-69

RESISTANCE TO CHLORINATED HYDROCARBONS IN *CULEX PIPIENS QUINQUEFASCIATUS* IN EGYPT.

A Toppozada S M Madi M E Eldefrawi

J Econ Entomol 62(2):440-442 REF

15 Apr 1969 421 J822

Chlorinated hydrocarbons, *Culex pipiens quinquefasciatus*, Insect behavior, Insect physiology, Insecticide resistant insects, Insecticides, Susceptibility. The author lists the toxicity of insecticides to the larvae and the adult *Culex pipiens quinquefasciatus*.

3295-69

PUPAL DEVELOPMENT AND MOTH EMERGENCE OF THE RED BOLLWORM (*DIPAROPSIS CASTANEA*) HMPs. IN MALAWI AND RHODESIA.

J P Tunstall

Bull Entomol Res 58(PT 2):233-254

Nov 1968 421 B87

Diparopsis castanea, Insect morphology, Pupae, Zoogeography.

3296-69

MASS PRODUCTION OF INSECT VIRUSES DURING THE SHEDDING OF THE PUPAL SKIN. (FR)

C Vago P Atger

Entomophaga 6(1):53-56

1961 421 EN835

Cuticle, Insect diseases, Molting (insects), Morphology, Pupae, Viruses. German summary

3297-69

THE CONSERVATION OF VIRUSES AND ENTOMOPATHOGENOUS BACTERIA IN TABLET FORM. (FR)

C Vago D Martouret F Heitor

Entomophaga 6(3):185-189

1961 421 EN835

Bacteria, Biological control (insects), Biology, *Bombyx mori*, Insect diseases, Pest control, *Porthetria dispar*, Viruses. German summary

3298-69

POLYHEDRAL SENSITIVITY OF THE CATERPILLARS OF *BOMBYX DISPAR* (LYMANTRIA DISPAR L.) DURING THE VARIOUS GRADATION PHASES OF THEIR DEVELOPMENT IN NATURE. (FR)

L Vasiljevic

Entomophaga 6(4):269-276 REF

1961 421 EN835

Allergies, *Bombyx*, Caterpillars, Morphology, Polyhedroses, *Porthetria dispar*. English summary

3299-69

DISTRIBUTIONAL NOTES ON *METAMASIVUS* (COLEOPTERA: CURCULIONIDAE).

P Vaurie

N Y Entomol Soc J 76(1):32-33

29 Mar 1968 420 N48J

Curculionidae, *Metamasivus*, Zoogeography.

3300-69

THE REPRODUCING CAPACITY OF GAMMA-IRRADIATED ADULT MALES OF THE CONFUSED FLOUR BEETLE.

A Vereecke

J Econ Entomol 62(6):357-359

15 Apr 1969 421 J822

Biological control (insects), Chemical control (insects), Cobalt isotopes, Dosage, Fertility, Gamma rays, Insect reproduction, *Tribolium confusum*.

3301-69

RELATIVE EFFICACY OF DIFFERENT INSECTICIDES, AS CONTACT POISONS, TO THE ADULTS OF SINGHARA BEETLE, GALERUCILLA BIRMANICA JACOBY, (COLEOPTERA: CHRYSOMELLIDAE).

A N Verma G S Sandhu P U Saramma

Prog Farming 4(3):415-419

Sep 1967 S19.P8

Chemicals, *Galerucella birmanica*, Insecticides, Laboratories, Mortality, Poisons, Research, Spraying.

3302-69

NUTRITION OF THE ALMOND MOTH. I. ANALYSIS AND IMPROVEMENTS OF THE EXPERIMENTAL DIET.

R E Waites S Gothilf

J Econ Entomol 62(2):301-305

15 Apr 1969 421 J822

Cadra cautella, Insect diets, Insect nutrition, Larvae, Vitamins. The author lists the ingredients of the diets and the vitamins and fatty acids tested.

3303-69

POPULATION MODELS FOR SUPPRESSION OF THE SUGARCANE BORER BY INHERITED PARTIAL STERILITY.

D W Walker K B Pedersen

Entomol Soc Amer Ann 62(1):21-26 REF

15 Jan 1969 420 EN82

Diatraea saccharalis, Experimental insects, Insect control, Insect genetics, Insect rearing, Models, Population, Sex ratios, Sterility, Sugarcane.

3304-69

CHRONIC MELANIZATION IN THE EGGS OF AEDES AEGYPTI.

W F Walker R E Menzer

Entomol Soc Amer Ann 62(1):7-11 REF

15 Jan 1969 420 EN82

Aedes aegypti, Copper, Experimental insects, Fetal membranes, Hydrogen-ion concentration, Insect eggs, Insect physiology, Larvae, Melanization, Nitrogen, Sodium chloride, Temperature.

3305-69

REARING SOD WEBWORMS ON ARTIFICIAL DIETS.

A G Ward B C Pass

J Econ Entomol 62(2):510-511

15 Apr 1969 421 J822

Crambus, Insect diets, Insect nutrition, Insect rearing. The author lists the ingredients of the artificial diets.

3306-69

BIOLOGICAL EFFECTS OF STARVATION ON THE GARDEN SYMPHYLAN.

J S Waterhouse R Seymour E W Rutkowski

J Econ Entomol 62(2):338-341

15 Apr 1969 421 J822

Cultural control (insects), Insect biology, Longevity, Molting (insects), *Scutigerella immaculata*, Starvation, Symphyla.

3307-69

THE INFLUENCE OF THE WIDTH OF BLACK STRIPES ON VISUAL GONIOMETRY IN THE BEE (APIS MELLIFERA). (GE)

R Wehner

Z Vergleichende Physiol 58(3):322-343 REF

15 Mar 1968 444.8 Z3

Apis mellifera, Insect physiology, Tables (data), Testing, Vision. English summary.

3308-69

THE BROWN-BANDED COCKROACH IN HAMBURG. (GE)

H Weidner

Prakt Schadlingsbekämpfer 20(1):1-3 REF

Jan 1968 421 P882

Aldrin, Blattidae, Chemical control (insects), Chlordane, DDT, Heptachlor, Insect behavior, Insect identification, Insect names, Lindane, *Supella supellectilium*, Zoogeography.

3309-69

ELECTRON-MICROSCOPE STUDIES OF RICKETTSIELLA CHIRONOMI IN THE MIDGE CAMPTOCHIRONOMUS TENTANS.

J Weiser Z Zizka

J Invertebrate Pathol 12(2):222-230 REF

Nov 1968 421 J826

Camptochironomus tentans, Electron microscopes, Insect diseases, Research, Rickettsial diseases.

3310-69

THE INFECTION OF LEAFHOPPERS BY WESTERN X-DISEASE VIRUS. VI. CYTOPATHOLOGICAL INTERRELATIONSHIPS.

R F Whitcomb D D Jensen J Richardson

J Invertebrate Pathol 12(2):202-221 REF

Nov 1968 421 J826

Cicadellidae, *Colladonus montanus*, Cytology, Fruit, Insect vectors, Virus diseases (insects), Western X.

3311-69

EVIDENCE OF A SECOND GENERATION OF THE ALFALFA WEEVIL IN SOUTHERN ILLINOIS.

C E White E J Armburst J R DeWitt S J Roberts

J Econ Entomol 62(2):509-510

15 Apr 1969 421 J822

Hypera postica, Insect genetics, Insect physiology, Sex behavior.

3312-69

CELL DEATH DURING EARLY MORPHOGENESIS: PARALLELS BETWEEN INSECT LIMB AND VERTEBRATE LIMB DEVELOPMENT.

J M Whitten

Science 163(3874):1456-1457

28 Mar 1969 470 SCI2

Animal morphology, Cells, Death, Ducks, Extremities, Insect morphology, *Sarcophaga bullata*.

3313-69

CHEMICAL STRUCTURE AND JUVENILE HORMONE ACTIVITY: COMPARATIVE TESTS ON RHODNIUS PROLIUS.

V B Wigglesworth

J Insect Physiol 15(1):73-94 REF

Jan 1969 421 J825

Biological assay, Dosage, Enzymes, Insect biochemistry, Juvenile hormone, *Rhodnius prolixus*.

3314-69

SOME RELATIONSHIPS BETWEEN PLANT LICE (APHIDIDAE) AND THEIR PARASITES. (GE)

H Wilbert

Z Angew Entomol 61(4):396-401

May 1968 421 Z36

Aphelinus, Aphididae, *Diaeretiella rapae*, Insect behavior, Insect protective devices, Ovulation, Parasitic insects. English summary.

3315-69

ZECTRAN AND NALED AFFECT INCIDENCE OF PARASITISM OF THE BUDWORM CHORISTONEURA OCCIDENTALIS IN MONTANA.

C B Williams G S Walton C F Tiernan

J Econ Entomol 62(2):310-312

15 Apr 1969 421 J822

Apanteles, Chemical control (insects), *Choristoneura occidentalis*, Dimethylamino-3,5-xylol methylcarbamate, 4-, Forest insects, Insect

population control, Naled, Parasitic insects, Spraying.

3316-69

INSECT PARASITES OF THE WINTER MOTH, OPEROPHTERA BRUMATA (L.) (LEPIDOPTERA: GEOMETRIDAE) IN WESTERN EUROPE.

H G Wylie

Entomophaga 5(2):111-129 MAP REF

1960 421 EN835

Insect behavior, Lepidoptera, *Operophtera brumata*, Parasitic insects, Parasitism, Predaceous insects.

3317-69

DIELDRIN AND DDT RESISTANCE OF CULEX PIPIENS FATIGANS IN THAILAND.

M Yasuno Y Purivethaya C Harinasuta

Jap J Exp Med 37(6):535-546 REF

Dec 1967 448.8 J272

Culex pipiens quinquefasciatus, Dieldrin, DDT, Insecticide resistant insects.

3318-69

SUSCEPTIBILITY OF MANSONIA MOSQUITOES TO CERTAIN INSECTICIDES IN THAILAND.

M Yasuno Y Purivethaya V Kerdpibule C

Harinasuta

Jap J Exp Med 37(6):547-558 REF

Dec 1967 448.8 J272

Culicidae, Dieldrin, DDT, Insecticide resistant insects, Insecticides, Larvae, Malathion.

3319-69

SUSCEPTIBILITY OF LARVAE OF CULEX PIPENS FATIGANS TO ORGANOPHOSPHOROUS.

M Yasuno V Kerdpibule

Jap J Exp Med 37(6):559-562

Dec 1967 448.8 J272

Culex pipiens quinquefasciatus, Insecticide resistant insects, Larvae, Organophosphorus compounds.

3320-69

NEUTRAL LIPID METABOLISM DURING EMBRYONIC DEVELOPMENT OF THE INDIAN-MEAL MOTH, PLODIA INTERPUNCTELLA (HUBNER).

W J Yurkiewicz J Oelsner

Compar Biochem Physiol 28(2):955-959 REF

Feb 1969 444.8 C73

Embryology, Insect biochemistry, Insect metabolism, Lipids, *Plodia interpunctella*.

3321-69

INFLUENCE OF CECROPIA OIL ON THE CUTICLE OF TENEBRIO MOLITOR.

E Zlotkin H Z Levinson

J Insect Physiol 15(1):105-110 REF

Jan 1969 421 J825

Cuticle, *Hyalophora cecropia*, Insect histology, Juvenile hormone, *Tenebrio molitor*.

GENETICS

3322-69

ON THE PROBLEM OF GENETIC SIMILARITY BETWEEN SIBLING SPECIES--PUFFING PATTERNS IN DROSOPHILA MELANOGASTER AND DROSOPHILA SIMULANS.

M Ashburner

Amer Natur 103(930,MAR-APR):189-191 REF

30 Apr 1969 470 AM36

Chromosomes, *Drosophila melanogaster*, *Drosophila simulans*, Insect genetics, Insect morphology, Larval growth.

3323-69

MATERNAL CONTROL OF HETEROSIS FOR YIELD IN DROSOPHILA MELANOGASTER.

B W Barnes

Heredity 23(4):563-572 REF

Nov 1968 443.8 H42

Drosophila melanogaster, Heterosis, Insect genetics.

3324-69

LAMPBRUSH Y CHROMOSOMES IN THE COURSE OF SPERMATOGENESIS OF DROSOPHILA. IN: EXPERIMENTAL EMBRYOLOGY TO MOLECULAR BIOLOGY. EDITED BY E. WOLFF. (FR)

W Beermann O Hess G F Meyer
67-88 REF PARIS, DUNOD
1967 QH431.W6

Chromosomes, Deoxyribonucleic acid, *Drosophila*, Electron microscopy, Insect genetics, Mutation, Proteins, Ribonucleic acid, Spermatocytes, Spermatogenesis.

3325-69

GENETICAL INVESTIGATIONS ON A STRAIN OF HOUSE-FLIES RESISTANT TO ORGANOPHOSPHORUS AND CARBAMATES.

J D Bell
Bull Entomol Res 58(PT 2):191-200 REF
Nov 1968 421 B87

Carbamates, Insect genetics, Insecticide resistant insects, *Musca domestica*, Organic compounds, Phosphorus, Research.

3326-69

LIPIDS OF DROSOPHILA: A NEWLY DETECTED LIPID IN THE MALE.

F M Butterworth
Science 163(3873):1356-1357
21 Mar 1969 470 SCI2

Chromatography, Chromosomes, *Drosophila melanogaster*, Insect biochemistry, Insect genetics, Lipids.

3327-69

GENETIC ANALYSIS OF A POPULATION OF TRIBOLIUM. II. METABOLIC PATTERN OF CORN OIL SENSITIVE ANOMALY.

R F Costantino J C Rogler A E Bell
Heredity 23(4):477-483
Nov 1968 443.8 H42
Corn oil, Insect genetics, Insect metabolism, Insect mutation, *Tribolium castaneum*.

3328-69

INTERPOPULATION KARYOTYPE DIFFERENCES IN AUSTRALIAN IRIDOMYRMEX OF THE DETECTUS GROUP (HYMENOPTERA: FORMICIDAE: DOLICHODERINAE).

R H Crozier
Entomol Soc Queensland J 7(1):25-27
Jun 1968 420 EN823

Chromosomes, Insect genetics, Insect populations, Insect taxonomy, *Iridomyrmex*.

3329-69

SEX AND SELECTION FOR A QUANTITATIVE CHARACTER IN DROSOPHILA. II. THE SEX DIMORPHISM.

R Frankham
Australian J Biol Sci 21(6):1225-1237 REF
Dec 1968 442.8 AU72

Abdomen, Chromosomes, *Drosophila melanogaster*, Insect breeding, Insect genetics, Insect populations, Polymorphism, Quantitative analysis, Sex.

3330-69

SEX AND SELECTION FOR A QUANTITATIVE CHARACTER IN DROSOPHILA. I. SINGLE-SEX SELECTION.

R Frankham
Australian J Biol Sci 21(6):1215-1223 REF
Dec 1968 442.8 AU72

Abdomen, *Drosophila melanogaster*, Insect breeding, Insect genetics, Quantitative analysis, Sex.

3331-69

SOME BIOCHEMICAL CHARACTERISTICS OF THE MICROSOMAL CYCLODIENE EPOXIDASE SYSTEM AND ITS INHERITANCE IN THE HOUSE FLY.

M A Q Khan
J Econ Entomol 62(2):388-392 REF
15 Apr 1969 421 J822

Chromatography, Cycloidiene, Enzymes, Epoxides, Insect biochemistry, Insect genetics, Insect physiology, Insecticide resistant insects, Microsomes, *Musca domestica*, Oxidation.

The author lists the epoxidation of cycloidiene-derivatives of chlorinated hydrocarbon insecticides with the effect of enzyme concentration by house fly microsomes.

3332-69

MELANISM IN CONNECTICUT CHARADRA DERIDENS (GUENEE) (LEPIDOPTERA: NOCTUIDAE).

A B Klotz
N Y Entomol Soc J 76(1):58-59
29 Mar 1968 420 N48J
Charadra deridens, Insect genetics, Melanism, Noctuidae.

3333-69

GENETICS OF CYCLODIENE-INSECTICIDE RESISTANCE IN THE SEED-CORN MAGGOT.

D G R McLeod C R Harris G R Driscoll
J Econ Entomol 62(2):427-432 REF
15 Apr 1969 421 J822
Aldrin, Cycloidiene, Diazinon, DDT, Dosage, *Hylemya platura*, Insect genetics, Insecticide resistant insects.

3334-69

THE INFLUENCE OF ADVANCING AGE ON CHIASSA FREQUENCY IN PHYMATEUS CINCTUS FAB. (ACRIDIDAE).

O Oyidi
Heredity 23(4):607-611 REF
Nov 1968 443.8 H42
Acrididae, Aging, Chromosomes, Insect genetics, Statistical analysis.

3335-69

EFFECTIVENESS OF REGULAR CYCLES OF INTERMITTENT ARTIFICIAL SELECTION FOR A QUANTITATIVE CHARACTER IN DROSOPHILA MELANOGASTER.

K A Rathie J S F Barker
Australian J Biol Sci 21(6):1187-1213 REF
Dec 1968 442.8 AU72

Abdomen, *Drosophila melanogaster*, Genes, Insect anatomy, Insect breeding, Insect genetics, Quantitative analysis.

3336-69

PHENETICS OF NATURAL POPULATIONS. IV. THE POPULATION ASYMMETRY PARAMETER IN THE BUTTERFLY COENONYMPHA TULLIA.

M Soule B Baker
Heredity 23(4):611-614 REF
Nov 1968 443.8 H42
Environmental effects, Insect genetics, Insect population statistics, Lepidoptera.

3337-69

GENETIC PLASTICITY OF STORED-PRODUCT INSECTS IN RELATION TO INSECTICIDES: COMPARATIVE SUSCEPTIBILITY OF CONFUSED AND RED FLOUR BEETLES FROM VARIOUS AREAS OF CALIFORNIA TO MALATHION.

R G Strong G J Partida T L Archer
J Econ Entomol 62(2):470-474 MAP REF
15 Apr 1969 421 J822

Insect cultures, Insect genetics, Insecticide resistant insects, Malathion, Plasticity, Spraying, *Tribolium castaneum*, *Tribolium confusum*.

MEDICAL ENTOMOLOGY

3338-69

ARTHROPODS. IN: DISEASES OF MAN ACQUIRED FROM HIS PETS.

B Bissuru
416-422 PHILADELPHIA, LIPPINCOTT
1967 RC639.B5

Arthropoda, Epidemiology, Human diseases, Infectious diseases, Insect behavior, Insect diseases, Insect vectors, Medical entomology, Pets.

3339-69

CARP FOR CHIRONOMID MIDGE CONTROL.

J H Kimball
Mosquito News 28(2):147-148
Jun 1968 421 M85

Biological control (insects), Chironomidae, Fish, Larvae.

Carp were recommended for the control of chironomid midges which breed in water impoundments near commercial and residential areas.

3340-69

THE CONTROL OF IXODID TICKS--VECTORS OF HUMAN DISEASES BY MEANS OF ALTERATION OF THEIR ENVIRONMENT. (RU)

E I Korenberg
Zool Zhur 48(3):356-363 REF
Mar 1969 410 R92

Cultural control (insects), Environmental control, Host relationships, Insect control, Insect vectors, Ixodidae, Wildlife. English abstract

3341-69

PHOTOALDRIN AND ITS TOXICITY TO MOSQUITO LARVAE.

D J Sutherland J D Rosen
Mosquito News 28(2):155-159 REF
Jun 1968 421 M85

Aedes aegypti, Aldrin, *Anopheles stephensi*, Biological assay, Chlorinated hydrocarbons, *Culex pipiens*, Dieldrin, Insecticides, Metabolism, Photochemistry, Toxicology.

The toxicity of photoaldrin was assayed on larvae of *Aedes aegypti*, *Culex pipiens* and *Anopheles stephensi*. Since experiments indicated that photoaldrin was more toxic than aldrin to mosquito larvae, it may prove to be a more useful larvicide. However nothing is currently known of its toxicity to other organisms.

CROP PROTECTION

3342-69

ALTERNATING SPRAYS CUTS RESISTANCE.

Anonymous
Amer Fruit Grower 89(2):13-15
Feb 1969 80 G85W

Chemical control (pests), Fruit culture, Nozzles, Pesticide application, Resistance, Spraying equipment.

Tables of spraying schedules including date of application, stage of growth, material used and how applied, and amount of material used on each type of fruit are included.

3343-69

CONTROL OF THORN TREES CAN DOUBLE VELD CAPACITY.

T J Bembridge
Mod Farming Cent Afr 37-40
Dec 1967 24 M72

Acacia, Brush control, Methodology, Mineral oil, Pastures, T, 2,4,5-, Tree diseases.

3344-69

SEED CROPS; ANNUAL SUMMARY, 1968: ACREAGE, YIELD, PRODUCTION, SEASONAL AVERAGE PRICE, VALUE OF PRODUCTION, BY STATES. 1967-1968.

23P
1968 1.9 EC712C
Crop yields, Crops, Economics, Harvesting, Import control, Productivity, Seeds, Tables (data).

3345-69

ON THE PROBLEM OF INCREASE OF INJURY IN PRACTICAL PLANT PROTECTION. (GE)

R Diercks A Obst
Gesunde Pflanzen 20(1):8-15 REF
Jan 1968 464.8 G33

Insect population, Plant injuries, Plant pest control, Plant protection, Research.

3346-69

3346-69
GENETIC COMPLEMENTATION IN
USTILAGO HORDEI.

A Dinooor C Person

Can J Bot 47(1):9-14 REF

Jan 1969 470 C16C

Arginine, Complement, Culture media, Fungi, Mutation, Plant breeding, Plant genetics, Plant physiology, Ustilago hordei.

3347-69

THE IMPORTANT CROP DISEASES AND PESTS IN THE FEDERAL REPUBLIC OF GERMANY IN THE GROWING SEASONS OF 1965 AND 1966 (NOVEMBER, 1964 THROUGH OCTOBER, 1966). (GE)

A Harle

Berlin Biol Bundesanst Land-forstwirtschaft Mitt (130):5-79 REF

Oct 1968 410.9 G31M

Crops, Insect pests, Nematodes, Parasites, Plant diseases, Weeds. English abstract

3348-69

A COMPILATION OF DESCRIPTIONS OF NEW PENICILLIUM SPECIES.

M M Kulik

U S D A Agr Handb (351):80P

Sep 1968 1 AG84AH

Fungi, Identification, Penicillium, Plant taxonomy, Reference materials.

This compilation is to present descriptions, plus an analytical key, so those interested in identifying Penicillium not found in Manual of Penicillia will not have to search for literature for descriptions of them.

3349-69

COOPERATIVE DESCRIPTION OF TYPE CULTURES OF STREPOMYCES. II. SPECIES DESCRIPTIONS FROM FIRST STUDY.

E B Shirling D Gottlieb

Int J Syst Bacteriol 18(2):69-189 REF

Apr 1968 448.3 IN8

Bacteriology, Microbiology, Nomenclature, Streptomyces, Taxonomy.

3350-69

MUSHROOMS; HOW TO IDENTIFY AND GROW THEM. (IT)

U Tosco

G. B. Paravia And Company, Turin, Italy 179P

1965 SB353.T6

Mushrooms, Mycology, Plant physiology, Plant taxonomy, Poisonous fungi.

3351-69

THE UTILIZATION OF SOME NITROGEN COMPOUNDS BY SOME CELLULOSOLYTIC FUNGI. (IT)

O Verona G Picci

Pisa Univ Ist Patol Veg Microbiol Agr Tec (mem) (511,JAN-FEB):3-8

1968 464.9 P67

Ammonium, Calcium cyanamide, Fungi, Nitrogen compounds, Plant biochemistry, Plant nutrition. Reprint from: L'Agricoltura Italiana, Jan-Feb 1968. english summary.

3352-69

IONS AND THE GROWER.

P Withington

Aust Tob Growers Bull (14):9-10

1968 69.8 AU72

Growth factors, Ion exchange, Ionization, Ions, Plant biochemistry, Plant nutrition, Plant physiology, Planting, Tobacco.

DISEASES

3353-69

FUNGUS LEAF SPOT IN SOYBEANS.

Anonymous

Rice J 72(1):19

Jan 1969 59.8 R36

Crop losses, Crop rotation, Crop varieties, Fungus diseases (plants), Leaf spot, Plant disease control, Plant disease resistance, Planting, Seeds, Soybeans, Tillage.

3354-69

THE DYNAMICS OF ACTINOMYCES-ANTAGONISTS DEVELOPMENT OF VERTICILLIUM DAHLIAE OF COTTON. (RUS)

S A Askarova A D Koveshnikov

Uz Biol Zhur 11(3):21-24

1967 442.8 UZ1

Cotton, Fungus diseases (plants), Plant disease resistance, Time, Verticillium dahliae, Wilt. English summary.

3355-69

INACTIVATION OF LETTUCE NECROTIC YELLOWS VIRUS BY CHELATING AGENTS.

B A Atchison R I B Francki N C Crowley

Virology 37(3):396-403 REF

Mar 1969 448.8 V81

Ammonium thiocyanate, Chelation, Chemical control (plant diseases), Copper, Iron, Lettuce, Lipases, Necrosis, Sodium diethyldithiocarbamate, Temperature, Virus diseases (plants), Yellows.

3356-69

CITRUS CANCROID. (SP)

E Atlas De Gotuzzo L A Rossi

Rev Invest Agr Ser 5, Patol Veg 4(5):69-81 REF

1967 464.8 R322

Argentina, Bacterial diseases (plants), Canker, Citrus, Plant morphology, Plant physiology, Xanthomonas. English abstract

3357-69

A NOTE ON THE NATURAL INCIDENCE OF SESAMUM PHYLLODY VIRUS IN BRASSICA SPP. AT LUDHIANA.

O S Bindra D R C Bakheta

Prog Farming 4(3):406-408

Sep 1967 S19.P8

Brassica, Crop yields, Fertilization (plants), Nitrogen, Phosphorus, Phyllody, Research, Virus diseases (plants).

3358-69

REPORT ON SIX YEARS OF TOBACCO BLUE MOLD DISEASE IN THE FEDERAL REPUBLIC OF GERMANY (1959-1964). (GE)*Berlin Biol Bundesanst Land-forstwirtschaft Mitt* (120):1-117

Dec 1966 410.9 G31M

Bibliography, Crop losses, Downy mildew, Fungus diseases (plants), Plant breeding, Plant disease control, Plant disease resistance, Plant disease transmission, Tobacco. English abstract

3359-69

ROLE OF ROOT KNOT NEMATODE IN BREAKING RESISTANCE TO FUSARIUM WILT IN TOMATO.

J R Bloom P Bowman

Plant Protect Abs 4:187

Sep 1968 241.75 P69

Fungus diseases (plants), Fusarium, Meloidogyne incognita, Nematodes, Plant disease resistance, Tomatoes, Wilt (tomatoes). First International Congress of Plant Pathology, London 14-26 July, 1968.

3360-69

LIGHT AND ELECTRON MICROSCOPY OF CYTOPLASMIC AND UNUSUAL NUCLEAR INCLUSION BODIES EVOKED BY A VIRUS FROM NECROTIC PEAS.

L Bos M Rubio-Huertos

Virology 37(3):377-385 REF

Mar 1969 448.8 V81

Cell nucleus, Cytoplasm, Electron microscopy, Inclusion bodies, Light, Necrosis, Peas, Virology, Virus diseases (plants).

3361-69

TOBACCO (BROWN SPOT) ((ALTERNARIA TENUI) VAR.). (SP)

W J Castello

Rev Invest Agr Ser 5, Patol Veg 4(3):41-54

1967 464.8 R322

Alternaria tenuis, Brown spot, Fungus diseases (plants), Tobacco. English abstract

3362-69

INHIBITORY ABILITY OF SAP FROM DIFFERENT TOBACCO VARIETIES ON POTATO VIRUS Y.

J Chod J Polak J Lermak K Skula

Biol Plant 11(1):79-85 REF

1969 450 B52

Plant disease resistance, Plant extracts, Potatoes, Sap, Tobacco, Virus diseases (plants), Virus Y.

3363-69

ANTHRACNOSE DISEASE OF JOWAR (SORGHUM VULGARE PERS.) CAUSED BY COLLETOTRICHUM GRAMINICOLUM (CES.) WILS. IN THE PUNJAB.

J S Chohan

Prog Farming 4(3):394-400 REF

Sep 1967 S19.P8

Anthracnose (sorghum), Colletotrichum graminicolum, Crop losses, Diagnosis, Durra, Microorganisms, Plant disease control, Sorghum.

3364-69

THE ACTUAL SITUATION OF INQUIRY INTO THE RESISTANCE OF VARIETIES OF WATER-MELON WITHERING WITH FUSARIUM. (POR)

B P B Cruz A P da Silveira N T de Mendonca

Biologico 34(11):246-250

Nov 1968 442.8 B529

Fungus diseases (plants), Fusarium, Plant disease resistance, Watermelons.

3365-69

STORED FIFTY YEARS VIRUS SILL ACTIVE.*Aust Tob Growers Bull* (12):20

1968 69.8 AU72

Longevity, Mosaic (tobacco), Storage, Time, Tobacco, Virus diseases (plants).

3366-69

CONTROL OF TOBACCO MOSAIC VIRUS.

A D Doyle

Aust Tob Growers Bull (14):18-20,22

1968 69.8 AU72

Crop rotation, Epidemiology, Hygiene, Mosaic, Plant diseases, Sanitation, Symptomatology, Tobacco, Virus diseases (plants), Weather.

3367-69

EFFECTS OF SOIL FUMIGATION ON DISEASE INCIDENCE, GROWTH, AND YIELD OF SPRING WHEAT.

D L Ebbels

Ann Appl Biol 63(1):81-93 REF

Feb 1969 442.8 AN72

Chemical control (pests), Crop yields, Dichloropropane dichloropropene mixture, Dimethyltetrahydro-1,3,5,2H-thiadiazine-2-thione, 3,4,5,6-tetrahydro-1,3,5,2H-thiadiazine-2-thione, Epidemiology, Plant diseases, Plant nematodes, Plant physiology, Soil fumigation, Wheat.

3368-69

BACTERIAL BLIGHT OF COTTON IN THE ORD RIVER.

J P Evenson

Australian J Exp Agr Anim Husb 8(34):615-619 REF

Oct 1968 23 AU792

Bacterial blight, Bacterial diseases (plants), Cotton, Crop varieties, Plant disease resistance, Xanthomonas malvacearum.

3369-69

RED BAND DISEASE ON PINES ((DOTHISTROMA PINI) HULBARY VAR. (LINEARIS) THYR AND SHAN). (SP)

R Fresa

Rev Invest Agr Ser 5, Patol Veg 5(1):1-7 REF

1968 464.8 R322

Defoliation, Dothistroma pini, Fungus diseases (plants), Pinus radiata, Red band. English abstract

3370-69

SEVERE ATTACKS OF PERONOSPORA ON LARGE-SCALE ROSE CULTURES. (IT)

- P Gambogi
Pisa Univ Ist Patol Veg Microbiol Agr Tec (mem)
(496,JAN-FEB):20-22
1967 464.9 P67
Fungus diseases (plants), Peronospora, Rosa.
Reprint from: L'Agricoltura Italiana, Jan-Feb
1967. english summary.
- 3371-69**
MICROORGANISMS IN THE RHIZOSPHERE OF WHEAT. (GE)
W Gams
Berlin Biol Bundesanst Land-forstwirtschaft Mitt
(123):5-77 REF
Jun 1967 410.9 G31M
Amino acids, Biological control (plant diseases), Plant biochemistry, Rhizosphere, Root disease, Soil bacteria, Soil fungi, Wheat. English abstract
- 3372-69**
PESTS AND DISEASES OF CULTIVATED PLANTS. (SP)
F D Garcia-Tejero
Editorial Dossat S. A., Madrid, Spain 944P MAP
1965 SB931.D6
Bacterial diseases (plants), Biological control (insects), Chemical control (insects), Fumigation, Fungus diseases (plants), Insect pests, Pesticides, Plant nematodes, Plant pest control, Plant physiological diseases, Soil-borne plant diseases, Spraying equipment, Virus diseases (plants).
- 3373-69**
EFFECT OF MICRONUTRIENTS ON YIELD AND THEIR CONTENTS IN WHEAT.
J S Grewal N S Randhawa D R Bhumbra
Prog Farming 4(3):315-322 REF
Sep 1967 S19.P8
Chemicals, Crop yields, Micronutrients, Soil analysis, Soils, Spraying, Wheat.
- 3374-69**
MYCORRHIZAE: INDISPENSABLE INVASIONS BY FUNGI.
E HacsKaylo
Agr Sci Rev 5(1, 1ST QUARTER):13-20 REF
1967 431.3 AG893
Fungi, Micronutrients, Mycorrhizae, Plant disease resistance, Plant physiology, Roots, Symbiosis.
Research leading to the acknowledgement of a symbiotic relationship between certain fungi and plants is reviewed, with particular emphasis on the physiological need of the plant for the fungus.
- 3375-69**
THE EFFECT OF CARBAMIDE AND THIOCARBAMIDE ON THE RESISTANCE OF APPLE TO APPLE SCAB.
M Hanusova
Biol Plant 11(1):1-7 REF
1969 450 B52
Apples, Enzymes, Fungus diseases (plants), Oxidases, Phenolases, Plant biochemistry, Plant disease resistance, Plant physiology, Scab, Thiourea, Urea, Venturia inaequalis.
- 3376-69**
MYCOSTASIS IN SEMI-ARID SOIL OF WEST PAKISTAN.
M H Hashmi M A B Malik
Pakistan J Sci Indus Res 10(4):254-258 REF
Oct 1967 475 P174
Fungus diseases (plants), Salts, Soil biology, Soil fungi, Toxins.
- 3377-69**
PROTEINACEOUS AND VIRUS-LIKE INCLUSIONS IN CELLS INFECTED WITH BEET MOSAIC VIRUS.
L L Hoefert
Virology 37(3):498-501
Mar 1969 448.8 V81
Beets, Cells, Inclusion bodies, Leaves, Mosaic, Proteins, Sugar beets, Symptomatology, Virology, Virus diseases (plants).
- 3378-69**
PLAIN 1 AND PLAINS 2; NEW BROOMCORN VARIETIES RESISTANT TO ANTHRACNOSE STALK ROT.
D C H Hsi N R Malm
N Mex Agr Exp Sta Bull (525):8P REF
Jun 1968 100 N465 (1)
Anthracnose, Colletotrichum graminicolum, Corn, Crop varieties, Fungus diseases (plants), Plant disease resistance, Root rot, Stalk rot (corn), Tables (data).
- 3379-69**
STUDIES ON ALFALFA MOSAIC VIRUS. I. THE PROTEIN AND NUCLEIC ACID. II. THE STRUCTURE OF THE VIRUS COMPONENTS.
R Hull M W Rees M N Short G J Hills R Markham
Virology 37(3):404-428 REF
Mar 1969 448.8 V81
Alfalfa, Amino acids, Molecular weight, Mosaic, Nucleic acids, Peptides, Proteins, Tryptophan, Virology, Virus diseases (plants).
- 3380-69**
THYMIDINE-3H UPTAKE BY X-BODIES ASSOCIATED WITH CAULIFLOWER MOSAIC VIRUS INFECTION.
T Kamei M Rubio-Huertos C Matsui
Virology 37(3):506-508
Mar 1969 448.8 V81
Absorption, Autoradiography, Brassica perviridis, Cauliflower, Electron microscopy, Hydrogen, Isotopes, Mosaic, Thymidine, Virology, Virus diseases (plants).
- 3381-69**
ELECTRON MICROSCOPY OF POKEWEED LEAF CELLS INFECTED WITH POKEWEED MOSAIC VIRUS.
K S Kim J P Fulton
Virology 37(3):297-308 REF
Mar 1969 448.8 V81
Cells, Cytoplasm, Electron microscopy, Inclusion bodies, Leaves, Mosaic, Phytolacca americana, Virology, Virus diseases (plants).
- 3382-69**
SOME CULTURAL STUDIES ON RHIZOCTONIA SOLANI THE CAUSAL ORGANISM OF SHEATH BLIGHT OF PADDY.
C K Kohli
Prog Farming 4(3):401-405
Sep 1967 S19.P8
Culture media, Hydrogen-ion concentration, Rhizoctonia solani, Rice, Sheath blight, Soil structure, Temperature, Trichoderma.
- 3383-69**
PYTHIUM ROOT ROT OF WHEAT IN QUEENSLAND SOIL.
R J Ledingham T C Vanterpool
Queensland J Agr Anim Sci 24(2):241-243
Jun 1967 23 Q37
Fungus diseases (plants), Pathogenicity, Pythium, Root rot, Wheat.
- 3384-69**
MARKET QUALITY OF ASPARAGUS; EFFECTS OF MATURITY AT HARVEST AND OF HIGH CARBON DIOXIDE ATMOSPHERES DURING SIMULATED TRANSIT.
W J Lipton
USDA Marketing Res Rep (817):3-7
Aug 1968 1 AG84MR
Asparagus, Atmosphere, Bacterial diseases (plants), Carbon dioxide, Harvesting, Histochemistry, Plant disease control, Plant injuries, Soft rot.
- 3385-69**
METABOLITES OF FUSARIUM OXYSPORUM F. CUMINI IN RELATION TO CUMIN WILT. II. INFLUENCE OF GROWTH PERIOD, PH AND DILUTION.
B L Mathur R L Mathur
Indian Phytopathol 20(1):42-44
Mar 1967 464.8 IN2
Cuminum cyminum, Fusarium oxysporum, Metabolites.
- 3386-69**
POTATO BLIGHT CONTROL.
R K McKee
Agr North Ireland 42(12):394-397
Apr 1968 256.13 AG82M
Air-borne plant diseases, Chemical control (plant diseases), Crop losses, Epidemiology, Fungus diseases (plants), Late blight, Potatoes, Spraying.
- 3387-69**
MESILLA ALFALFA.
B A Melton
N Mex Agr Exp Sta Bull (530):8P
Jun 1968 100 N465 (1)
Alfalfa, Aphididae, Crop varieties, Crop yields, Insect pests, Plant disease resistance, Plant pest resistance.
- 3388-69**
CARE OF TOBACCO SEEDLINGS.
G Milligan
Rhodesian Tobacco J 20(10):27,29
Oct 1968 69.8 R34
Insect pests, Leaf miners, Plant disease control, Plant diseases, Plant physiology, Planting, Seedlings, Spraying, Symptomatology, Tobacco.
- 3389-69**
WHITE MOULD; METHODS OF CONTROL EXPLAINED.
G A Milligan
Mod Farming Cent Afr 11-13
Dec 1967 24 M72
Chemical control (plant diseases), Dinocap, Dusting, Fungus diseases (plants), Molds, Spraying, Tobacco.
- 3390-69**
VIRUS DISEASES OF CHRYSANTHEMUMS.
Great Brit Min Agr Fish Food Adv Leaflet (555):1-5
Jan 1968 10 G79LA
Chrysanthemum, Cultural control (plant diseases), Insect vectors, Insecticides, Plant disease transmission, Virus diseases (plants).
Causative agents, symptoms and transmission of several virus diseases of chrysanthemums are discussed. The application of insecticides to control insect vectors and heat treatments of meristem tip cultures are recommended means of control.
- 3391-69**
BOTRYTIS DISEASE OF LETTUCE.
Great Brit Min Agr Fish Food Adv Leaflet (559):1-4
Mar 1968 10 G79LA
Botrytis cinerea, Chemical control (plant diseases), Cultural control (plant diseases), Dichloro-4-nitroaniline, 2,6-, Fungus diseases (plants), Humidity, Lettuce, Plant disease transmission, Temperature, Thiram.
A description of the causal agent (Botrytis cinerea) of grey mold, damping off and stem rot in lettuce including disease symptoms, and modes of transmission is given. Cultural control methods are described and use of thiram, dichloran, or other fungicides is recommended.
- 3392-69**
POTATO GANGRENE.
Great Brit Min Agr Fish Food Adv Leaflet (545):1-4
Apr 1968 10 G79LA
Cultural control (plant diseases), Fungus diseases (plants), Gangrene, Heat treatment, Humidity, Mercury compounds, Phoma exigua, Potatoes.
The causative agent (Phoma exigua), symptoms and transmission of the fungus disease, potato gangrene, are discussed. Chemical control with organomercury solutions and cultural control by heat treatment and high humidity are recommended.

3393-69

3393-69

EFFECT OF PRE-HARVEST SPRAY OF SODIUM ORTHOPHENYL PHENATE AND CAPTAN ON THE CONTROL OF DECAY IN ANAB-E-SHAHI GRAPES (VITIS VINIFERA LINN.).

P Narasimham M M Rao N Nagaraja B Anandaswamy

Journeyman Boker 5(2):63-64

Jul 1968 389.8 J823

Captan, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Grapes, Harvesting, Sodium orthophenylphenate, Spraying, Storage diseases.

3394-69

LEMON SCAB (SPHACELOMA FAWCETTII SCABIOSA).

Agr Gaz New S Wales 80(1):BACK COVER

Jan 1969 23 N472

Bordeaux mixture, Chemical control (plant diseases), Fungus diseases (plants), Lemons, Oils, Sphaceloma, Zineb.

Sphaceloma fawcetti scabiosa, the fungus which causes lemon scab, may be controlled by spraying with Bordeaux mixture and white oil when the trees are in blossom and later with zineb.

3395-69

TOMATO YELLOW TOP.

Agr Gaz New S Wales 79(9):BACK COVER

Sep 1968 23 N472

Aphididae, Chemical control (insects), Chlorinated hydrocarbons, Crop losses, Dimethoate, DDT, Insect vectors, Insecticides, Methyl demeton, Organophosphorus compounds, Tomatoes, Virus diseases (plants), Yellow top.

3396-69

POWDERY MILDEW OF APPLE (PODOSPHAERA LEUCOTRICHIA).

Agr Gaz New S Wales 79(7):BACK COVER

Jul 1968 23 N472

Apples, Binapacryl, Chemical control (plant diseases), Cultural control (plant diseases), Dinocap, Fungus diseases (plants), Lime-sulfur, Powdery mildew, Pruning, Symptomatology.

3397-69

GROWTH OF PSEUDOMONAS PHASEOLICOLA IN SUSCEPTIBLE AND IN RESISTANT BEAN PLANTS.

M E H Omer R K S Wood

Ann Appl Biol 63(1):103-116 REF

Feb 1969 442.8 AN72

Bacterial diseases (plants), Beans, Crop varieties, Growth factors, Plant disease resistance, Pseudomonas phaseolicola, Symptomatology.

3398-69

CONTROLLING STEM-END ROT OF RIPE MANGO.

V N Pathak D N Srivastava

Indian Farming 18(5):43,45

Aug 1968 22 IN283

Chemical control (plant diseases), Copper carbonate, Diplodia natalensis, Fruit rot, Fungicides, Fungus diseases (plants), Mangoes, Plant injuries.

Recommendations are presented for orchard owners concerning the control of stem end rot in ripe mangoes by implementing specific handling techniques and by treatment of the fruit with a copper carbonate fungicide.

3399-69

STRUCTURES AND PESTICIDAL ACTIVITIES OF DERIVATIVES OF DINITROPHENOLS. XI. EFFECTS OF SUBSTITUTION OF DINITROPHENOLS WITH C3 TO C13 ALPHABRANCHED ALKYL GROUPS AND OF ESTERIFICATION ON THE ERADICATION OF CUCUMBER MILDEW.

M Pianka P J J Sweet

J Sci Food Agr 19(11):676-681

Nov 1968 382 SO12

Carbon, Chemical control (plant diseases), Cucumbers, Dinitrophenols, Erysiphe cichoracearum, Esters, Fungus diseases (plants), Isotopes, Mildew, Pesticides.

3400-69

STRUCTURES AND PESTICIDAL ACTIVITIES OF DERIVATIVES OF DINITROPHENOLS. XII. IN VITRO ACTIVITY OF C3 TO C13 ALPHABRANCHED ALKYL DINITROPHENOLS AND THEIR ESTERS AND ETHERS AGAINST THE SPORES OF VENTURIA INAEQUALIS AND OTHER FUNGI.

M Pianka

J Sci Food Agr 19(11):681-684 REF

Nov 1968 382 SO12

Botrytis cinerea, Carbon, Cercospora melonis, Culture media, Dinitrophenols, Esters, Ethers, Fungus diseases (plants), Fusarium, Isotopes, Pesticides, Spores, Venturia inaequalis.

3401-69

STRUCTURES AND PESTICIDAL ACTIVITIES OF DERIVATIVES OF DINITROPHENOLS. X. EFFECTS OF SUBSTITUTION OF DINITROPHENOLS WITH C3 TO C13 ALPHABRANCHED ALKYL GROUPS AND OF ESTERIFICATION ON THE ERADICATION OF BARLEY MILDEW.

M Pianka P J J Sweet

J Sci Food Agr 19(11):672-675

Nov 1968 382 SO12

Barley, Carbon, Chemical control (plant diseases), Dinitrophenols, Erysiphe graminis, Esters, Fungus diseases (plants), Isotopes, Mildew, Pesticides, Podosphaera leucotricha.

3402-69

STRUCTURES AND PESTICIDAL ACTIVITIES OF DERIVATIVES OF DINITROPHENOLS. IX. EFFECTS OF SUBSTITUTION OF DINITROPHENOLS WITH C4 TO C13 ALPHABRANCHED ALKYL GROUPS AND OF ESTERIFICATION ON THE ERADICATION OF APPLE MILDEW.

M Pianka P J J Sweet

J Sci Food Agr 19(11):667-672 REF

Nov 1968 382 SO12

Apples, Carbon, Chemical control (plant diseases), Dinitrophenols, Esters, Fungus diseases (plants), Isotopes, Mildew, Pesticides, Podosphaera leucotricha.

3403-69

HENDERSONIA DRACAENAE SP. NOV.

K M Ponnappa

Cur Sci 38(3):72

05 Feb 1969 475 SCI23

Dracaena, Fungus diseases (plants), Hendersonia dracaenae, Plant taxonomy, Soil fungi.

3404-69

TABACCO BLUE MOULD (PERONOSPORA TABACINA ADAM) IN NORTH QUEENSLAND. 3. FUNGICIDE SCREENING AND EFFICACY EXPERIMENTS.

W Pont R G O'Brien

Queensland J Agr Anim Sci 24(2):187-200

Jun 1967 23 Q37

Chemical control (plant diseases), Fungus diseases (plants), Maneb, Methodology, Peronospora tabacina, Zineb.

3405-69

SEROLOGICAL STUDIES OF BRATISLAVA MOSAIC VIRUS OF GRAPE VINE.

J Pozdena G Vanek

Biol Plant 11(1):41-48 REF

1969 450 B52

Antibodies, Czechoslovakia, Grapes, Mosaic, Serological tests, Virus diseases (plants).

3406-69

ADDITIONAL SOURCES OF RESISTANCE TO THE BARLEY YELLOW DWARF VIRUS IN BARLEY.

C O Qualset C W Schaller

Crop Sci 9(1,JAN/FEB):104-105

1969 64.8 C883

Barley, Plant disease resistance, Testing, Virus diseases (plants), Yellow dwarf.

3407-69

STUDY OF A VIRUS OF ALFALFA AND THE ULTRASTRUCTURE OF THE INFECTED LEAVES. (SP)

M Rubio-Huertos R Moreno

Microbiol Espan 21(1-2,JAN-JUN):13-22

1968 448.3 M583

Alfalfa, Cytology, Electron microscopy, Leaves, Virus diseases (plants). English abstract

3408-69

THE ULTRASTRUCTURE OF CELLS OF DIANTHUS CARYOPHYLLUS INFECTED WITH A VIRUS. (SP)

M Rubio-Huertos S Castro R Moreno D Lopez-Abella

Microbiol Espan 21(1-2,JAN-JUN):1-11

1968 448.3 M583

Cytology, Dianthus caryophyllus, Electron microscopy, Plant morphology, Virus diseases (plants). English abstract

3409-69

PHYCOVIRUS SM-1: A VIRUS INFECTING UNICELLULAR BLUE-GREEN ALGAE.

R S Safferman I R Schneider R L Steere M E

Morris T O Diener

Virology 37(3):386-395 REF

Mar 1969 448.8 V81

Algae, Deoxyribonucleic acid, Nucleic acids, Nucleoproteins, Purification, Virology, Virus diseases (plants).

3410-69

MINOR PREDISPOSITION TO LODGING AND STALK ROT OF MAIZE CULTIVATED WITH MINIMUM TILLAGE (WITHOUT HILLING). (SP)

M A R de Sarasola

Rev Invest Agr Ser 5, Patol Veg 5(2):11-17 REF

1968 464.8 R322

Corn, Fungus diseases (plants), Fusarium, Helminthosporium, Lodging, Macrophomina phaseoli, Stalk rot, Tillage. English abstract

3411-69

INTERACTION OF TMV-PROTEINS DURING ELECTROPHORETIC SEPARATION IN POLYACRYLAMIDE GELS.

S Sarkar L Schilde-Rentschler

Z Vererbungslehre 103(3):244-247 REF

31 Dec 1968 442.8 Z34

Electrophoresis, Plant biochemistry, Proteins, Tobacco mosaic virus, Virus diseases (plants).

3412-69

TEMPERATURE AND RELATIVE HUMIDITY REGIMES IN THE PINE STUMP HABITAT OF FOMES ANNOSUS.

R A Schmidt F A Wood

Can J Bot 47(1):141-154 REF

Jan 1969 470 C16C

Climate, Fomes annosus, Fungus diseases (plants), Habitats, Measurement, Pinus resinosa, Temperature.

3413-69

ETIOLOGY OF MUMMY DISEASE OF CULTIVATED MUSHROOMS. (ABSTRACT).

E M Sigel I C Schisler

Phytopathology 57(8):829

Aug 1967 464.8 P56

Bacterial diseases (plants), Mummy disease (mushrooms), Mushrooms, Pseudomonas.

3414-69

CANONICAL CORRELATIONS OF SEED VIABILITY, SEED-BORNE FUNGI, AND ENVIRONMENT IN BULK GRAIN ECOSYSTEMS.

R N Sinha H A H Wallace F S Chebib

Can J Bot 47(1):27-34 REF

Jan 1969 470 C16C

Fungus diseases (plants), Grain, Humidity, Mathematical analysis, Plant ecology, Seed germination, Seed-borne plant diseases, Seedlings, Storage diseases, Temperature. Many species of fungi were tested.

3415-69

PROGRESS REPORT ON SCREENING COFFEE SELECTIONS AND COLLECTIONS WITH RACES OF LEAF RUST FUNGUS AT CENTRAL COFFEE RESEARCH INSTITUTE.

M S Sreenivasan

Indian Coffee Monthly Bull 32(10):299-304

Oct 1968 68.29 IN23M

Coffee, Fungus diseases (plants), Hemileia vastatrix, Leaf rust, Plant pest resistance. The author lists the 11 physiologic races of the leaf rust that existed on coffee plants.

3416-69

TURF DISEASES.*Tasmanian J Agr* 39(1):47-49

Feb 1968 23 T182T

Algae, Catalogs, Chemical control (plant diseases), Copper fungicides, Drainage, Fungus diseases (plants), Grass sickness, Mercury compounds, Symptomatology, Turf.

The symptoms, agents, and control measures for the grass diseases, fairy rings, brown patch, snow mold, nostoc, slime mold, pink patch, and dollar spot are discussed. Chemical control with copper fungicides and mercury compounds along with good drainage are suggested.

3417-69

ARE YOU DISCOURAGING DISEASE IN YOUR CROPS .*Tasmanian J Agr* 39(4):321

Nov 1968 23 T182T

Crop rotation, Cultural control (plant diseases), Methodology, Plant diseases, Vegetables.

Proper cultivation techniques to control plant diseases are discussed for peas, french beans, carrots, brassica crops, onions, cereals, and potatoes.

3418-69

BRASSICA DISEASES.*Tasmanian J Agr* 39(2):95-98

May 1968 23 T182T

Brassica, Catalogs, Plant disease control, Plant diseases, Symptomatology.

Diseases that affect Brassica s. sp. are named, characterized, and control measures cited.

3419-69

LIST OF PLANT DISEASES RECORDED IN TASMANIA.*Tasmanian J Agr* 39(2):93-94

May 1968 23 T182T

Catalogs, Plant diseases, Zoogeography.

3420-69

HOST RANGE AND PARTICLE LENGTH OF PASSIONFRUIT WOODINESS VIRUS.

D S Teakle G B Wildermuth

Queensland J Agr Anim Sci 24(2):173-186

Jun 1967 23 Q37

Electron microscopy, Granadilla, Host indexing (plants), Morphology, Virus diseases (plants), Virus I.

3421-69

THE INFECTIVITY OF TOBACCO MOSAIC VIRUS RNA IN COAT PROTEINS FROM SPHERICAL VIRUSES.

B J M Verduin J B Bancroft

Virology 37(3):501-506

Mar 1969 448.8 V81

Broadbeans, Bromus, Cowpeas, Molecular weight, Mosaic, Mottle, Proteins, Ribonucleic acid, Tobacco, Virology, Virus diseases (plants).

3422-69

THE INFECTION OF LEAFHOPPERS BY WESTERN X-DISEASE VIRUS. V. PROPERTIES OF THE INFECTIOUS AGENT.

R F Whitcomb D D Jensen J Richardson

J Invertebrate Pathol 12(2):192-201 REF

Nov 1968 421 J826

Cicadellidae, Colladonus montanus, Fruit, Insect diseases, Properties, Virus diseases (insects), Western X.

3423-69

SPORE DEVELOPMENT IN THE BROWN ROT FUNGI (SCLEROTINIA SPP.).

H J Willetts 42d calonge

New Phyto Logist 68(1):123-131 REF

Jan 1969 450 N42

Brown rot, Citrus, Conidia, Electron microscopy, Fungus diseases (plants), Plant morphology, Sclerotinia, Spores.

3424-69

STRUCTURE OF LETTUCE NECROTIC YELLOWS VIRUS. II. ELECTRON MICROSCOPIC STUDIES ON THE EFFECT OF PH OF PHOSPHOTUNGSTIC ACID STAIN ON THE MORPHOLOGY OF THE VIRUS.

B S Wolanski R I B Francki

Virology 37(3):439-447

Mar 1969 448.8 V81

Electron microscopy, Hydrogen-ion concentration, Lettuce, Necrosis, Virology, Virus diseases (plants), Yellows.

ARTHROPODS

3425-69

WATCH FOR NEW COTTON INSECTS.*USDA PA- (888):1-2*

Oct 1968 1 AG84PRO

Cotton, Insect control, Insect pests, Insect taxonomy, Plant injuries, Quarantine treatments, Weather. Earias insulana, Empoasca lybica, Diparopsis castanea, spodoptera litura, Caliothrips impurus and Dysdercus nigrofasciatus.

3426-69

THE SPOTTED ALFALFA APHID; HOW TO CONTROL IT.*U S D A Leaflet* 422:2-8

Aug 1968 1 AG84L

Alfalfa, Chemical control (insects), Insect pests, Insecticides, Integrated control (insects), Plant pest resistance, Safety education, Therioaphis maculata.

3427-69

DEVELOPMENT OF THE CHEMICAL CONTROL OF FOREST PESTS DURING THE LAST TEN YEARS. (RUM)

M Arsenescu

Rev Padurilor 83(7):356-360

Jul 1968 99.8 R327

Chemical control (insects), Forest insects, Insect pests, Spraying equipment.

3428-69

THE MITE BATTLE GOES ON AND ON.

D Asquith

Amer Fruit Grower 89(2):18

Feb 1969 80 G85W

Acaricides, Apples, Biological control (insects), Chemical control (insects), Insect pests, Integrated control (insects), Mites, Predaceous insects.

3429-69

INTERRELATIONSHIP OF THREE LABORATORY SCREENING PROCEDURES FOR BREEDING ALFALFA RESISTANT TO THE ALFALFA WEEVIL.

D K Barnes R H Ratcliffe C H Hanson

Crop Sci 9(1(JAN/FEB)):77-79

1969 64.8 C883

Alfalfa, Crop varieties, Feeding, Hypera postica, Insect pests, Plant breeding, Plant pest resistance, Testing.

3430-69

ACTUAL STATE OF RESEARCH IN PROGRESS ON INTEGRATED PEST CONTROL IN THE CASE OF COCCIDAE IN FRANCE. (FR)

C Benassy H Bianchi H Milaire

Entomophaga 7(1):59-68

1962 421 EN835

Aphelinus mali, Apples, Aspidiotus perniciosus, Carpocapsa pomonella, Coccidae, Eriosoma lanigerum, Integrated control (pests), Prospaltella perniciosi, Research, Tree injuries.

3431-69

MYCOPLASMA-LIKE MICROORGANISM AND VIRUS PARTICLES IN THE LEAPHOPPER JAVESELLA PELLUCIDA (F.) TRANSMITTING THE OAT STERILE DWARF DISEASE.

J Brcak O Kralik

Biol Plant 11(1):95-96

1969 450 B52

Dwarf disease, Electron microscopy, Insect vectors, Javesella pellucida, Oats, Virus diseases (plants).

3432-69

A CONTRIBUTION TO THE STUDY OF SOME DRY ATTRACTANT PRODUCTS EFFECTS ON CERATITIS CAPITATA WIED. (SE)

D Brnetic

Agrohemija (516):217-220

1968 385 AG87

Angelica, Attractants, Ceratitis capitata, Siglure, Trimedure. French summary.

3433-69

HORTICULTURE...CONTROLLING ORCHARD PESTS.

T J Conway P J Ward

Agr North Ireland 42(12):414-417

Apr 1968 256.13 AG82M

Aphididae, Apples, Chemical control (insects), Insecticides, Spraying.

3434-69

REDUCING DDT PERSISTENCE.*Aust Tob Growers Bull* (12):22

1968 69.8 AU72

Anaerobic bacteria, DDT, Insect pests, Insecticide resistant insects, Plant protection, Tobacco.

3435-69

NEMATODE - BACTERIA TEAM FOR INSECT CONTROL.*Aust Tob Growers Bull* (12):22

1968 69.8 AU72

Bacteria, Biological control (insects), Insect pests, Nematodes, Plant protection, Tobacco.

3436-69

BIOECOLOGY AND CHEMICAL CONTROL OF THE APPLE CODLING MOTH (CARPOCAPSA POMONELLA) L. IN MENDOZA. (SP)

J C Espul N J A Cucchi F C La Red

Rev Invest Agr Ser 5, Patol Veg 3(9):105-141

1966 464.8 R322

Apples, Attractants, Carpocapsa pomonella, Chemical control (insects), DDT, Insect ecology, Life cycle, Light traps, Methyl demeton, Parasitic insects, Phosphamidon. English abstract

3437-69

SUSTAINED NATURAL INFESTATION BY THE MOUNTAIN PINE BEETLE IN SEVEN NEW PINUS AND PICEA HOSTS.

M M Furniss J A Schenk

J Econ Entomol 62(2):518-519

15 Apr 1969 421 J822

Dendroctonus ponderosae, Forest insects, Insect infestation, Picea, Pinus. The beetle was investigated in the following hosts plants: Pinus banksiana, P. nigra, P. resinosa, P. rigida, P. strobus, P. sylvestris and picea abies.

3438-69

CONTROL OF EPHESTIA ELUTELLA (HB.) (LEPIDOPTERA, PHYCITIDAE) USING DICHLORVOS IN OIL.

A A Green J Kane S G Heuser K A Scudamore

Plant Protect Abs 4:192-193

Sep 1968 241.75 P69

Dichlorvos, Ephestia elutella, Insecticides, Lepidoptera, Oils, Plant protection. Journal of Stored Products research, vol. 4, no. 1, May 1968, p.69-75.

CROP PROTECTION

3439-69

3439-69

THE LIFE HISTORY OF APHRASTASIA PECTINATAE (CHOL.) VAR. ISIHARAI INOUE (HOMOPTERA: ADELGIDAE). (JA)

T Hirasa

Hokkaido Forest Exp Sta Annu Rep 74-78

Sep 1968 99.9 J2724A

Abies sachalinensis, *Aphrastasia pectinatae*, Gall-making insects, Insect biology, *Picea*. English summary.

3440-69

BEHAVIOR OF THE SPOTTED ALFALFA APHID ON RESISTANT AND SUSCEPTIBLE ALFALFAS.

S D Kindler R Staples

J Econ Entomol 62(2):474-478 REF

15 Apr 1969 421 J822

Alfalfa, Insect behavior, Plant pest resistance, Plant physiology, *Therioaphis maculata*.

3441-69

THE PINE CHRYSOMELID, GLYPTOSCELIS PUBESCENS, IN NORTHWESTERN WISCONSIN.

M G Klein H C Coppel

Entomol Soc Amer Ann 62(1):1-7 MAP REF

15 Jan 1969 420 EN82

Chrysomelidae, *Diprion similis*, Eupelmidae, Foliage, Insect behavior, Insect eggs, Insect morphology, Insect pests, Larvae, Parasitism, *Pinus strobus*.

3442-69

A MITE TO COMBAT COCONUT CATERPIL-LAR.

K Mathen B Sathiamma C Kurian

Indian Farming 18(5):32-33

Aug 1968 22 IN283

Acarina, Biological control (insects), Coconuts, Larvae, Lepidoptera, Life cycle, Parasitic insects, *Pyemotes ventricosus*.

The life history and the role of the mite *Pyemotes ventricosus* is discussed as a potential biological control agent of *Nephantis serinopa*, a serious pest of coconuts.

3443-69

GLASSHOUSE SYMPHYLIDS.

Great Brit Min Agr Fish Food Adv Leaflet (484):1-5

Jun 1967 10 G79LA

Cabbage, Chemical control (insects), Crop rotation, Diazinon, Insect identification, Insect pests, Insecticides, Life cycle, Lindane, Parathion, Root hairs, *Scutigerella immaculata*, Soil sterilization, Tomatoes.

The life cycle of symphyliids and the nature of the injury they cause to plants by destroying root hairs are discussed. Soil sterilization and treatment with lindane, diazinon, and parathion are recommended as control measures.

3444-69

A LARGE-SCALE EXPERIMENT IN THE ARTIFICIAL BIOLOGICAL CONTROL OF THE OLIVE FLY, DACUS OLEAE, BY MEANS OF OPIUS CONCOLOR SICULUS IN SICILY, PALERMO, JULY-OCTOBER 1966.

S Monastero P Delanoue

Plant Protect Abs 4:195-196

Sep 1968 241.75 P69

Biological control (insects), *Dacus oleae*, Insect pests, *Opius*, Plant protection, Research, Time. Boll. Inst. Ent. Agrar. Osserv. Fitopat. Palermo, 1965-1966, 6:145-94.

3445-69

ON THE POSSIBILITIES OF INSECTS AS THE CARRIERS OF ROOT-ROT FUNGUS (FOMES ANNOSUS (FR.) COOKE). (GE)

M Nuorteva L Laine

Suomen Hyonteistieteellinen Aikakauskirj Ann

Entomol Fenn 34(3):113-135 REF

1968 421 SU7

BIBLIOGRAPHY

Blastophagus piniperda, *Fomes annosus*, Fungus diseases (plants), *Hylobius*, Insect vectors, Plant nematodes, Root rot.

3446-69

THE PRESENT STATUS OF RICE PEST RESEARCH AND CONTROL. (GE)

B Ohnesorge

Berlin Biol Bundesanst Land-forstwirtschaft Mitt (129):7-71-REF

Aug 1968 410.9 G31M

Agricultural research, Biological control (pests), Chemical control (pests), Crop losses, Insect ecology, Insect pests, Insect taxonomy, Nematodes, Plant breeding, Rice.

3447-69

INSECT PESTS OF SAFFLOWER.

F D Page

Queensland Agr J 94(8):475-477

Aug 1968 23 Q33

Crop yields, Insect pests, Plant injuries, Plant protection, Safflower.

3448-69

THREE LABORATORY TECHNIQUES FOR SCREENING SMALL GRAINS FOR RESISTANCE TO THE CEREAL LEAF BEETLE.

J A Schillinger

J Econ Entomol 62(2):360-363

15 Apr 1969 421 J822

Barley, Crop varieties, Insect physiology, Oats, *Oulema melanopus*, *Triticum aestivum*.

3449-69

LYGUS-BUG FEEDING ON DEVELOPING CARROT SEED: EFFECT ON PLANTS GROWN FROM THAT SEED.

D R Scott

J Econ Entomol 62(2):504-505 REF

15 Apr 1969 421 J822

Carrots, Feeding, Gall-making insects, Insect pests, *Lygus*, Plant injuries, Plant physiology, Seedlings.

3450-69

CHEMICAL CONTROL OF THE ROSE MITE--TETRANYCHUS URTICAE (KOCH, 1836) BORDREAU AND DOSSE, 1963 (ACARINA, TETRANYCHIDAE). (POR)

N Suplicy Filho R Calza

Biologico 34(11):251-253

Nov 1968 442.8 B529

Acaricides, Chemical control (insects), Insect control, *Rosa*, *Tetranychus urticae*.

3451-69

RESISTANCE OF CORN TO LABORATORY INFESTATION OF THE LARGER RICE WEEVIL, SITOPHILUS ZEAMAI.

P VanDerSchaaf D A Wilbur R H Painter

J Econ Entomol 62(2):352-355 REF

15 Apr 1969 421 J822

Corn, Insect dissemination, Insect pests, Plant pest resistance, *Sitophilus zeamais*.

3452-69

THE TREATMENT OF PUPAL INTEGUMENTS WITH CHEMOSTERILANTS AS A WAY OF THE TURNIP MOTH SEXUAL STERILIZATION. (RU)

S T Vasyurin

Zool Zhur 48(3):443-446 REF

Mar 1969 410 R92

Agrotis segetum, Chemical control (insects), Chemosterilants, Insect control, Pupae, *Thiotepa*. English abstract

3453-69

EFFECT OF TEMPERATURE ON RESISTANCE IN LIMA BEAN, TOMATO, AND CHRYSANTHEMUM TO LIRIOMYZA MUNDA.

R E Webb F F Smith

J Econ Entomol 62(2):458-462 REF

15 Apr 1969 421 J822

Chrysanthemum, Insect mortality, Insect physiology, Lima beans, *Liriomyza munda*, Plant pest resistance, Temperature, Tomatoes.

3454-69

ABSORPTION, TRANSLOCATION, AND DISTRIBUTION OF PHORATE IN LOBLOLLY PINE SEEDLINGS.

R A Werner E W Clark

J Econ Entomol 62(2):436-437 REF

15 Apr 1969 421 J822

Absorption, Biological assay, Chemical control (insects), Forest insects, Phorate, *Pinus taeda*, Plant physiology, Plant translocation, Seedlings.

NEMATODES

3455-69

RED RING DISEASE OF THE COCONUT PALM, INOCULATION STUDIES AND HISTOPATHOLOGY.

G P Blair H M Darling

Nematologica 14(3):395-403 REF

1968 436.8 N342

Coconuts, Plant histology, Plant nematodes, Red ring, *Rhadinaphelenchus cocophilus*, *Roystonea oleracea*.

3456-69

DYNAMICS OF THE PERMEATION OF NEMATODES BY WATER, NEMATOCIDES AND OTHER SUBSTANCES.

C F Marks I J Thomason C E Castro

Exp Parasitol 22(3):321-337 REF

Jun 1968 436.8 EX7

Carbon isotopes, Dibromo-3-chloropropane, 1,2-, Ethylene dibromide, Nematocides, Permeability, Plant nematodes, Radioactive tracers, Water.

3457-69

THE DISTRIBUTION OF THE CEREAL CYST NEMATODE (HETERODERA AVENAE) IN VICTORIA AND ITS RELATION TO SOIL TYPE.

J W Meagher

Australian J Exp Agr Anim Husb 8(34):637-640

REF

Oct 1968 23 AU792

Heterodera avenae, Plant nematodes, Soil series, Surveys, Zoogeography.

3458-69

CEREAL CYST EELWORM.

Great Brit Min Agr Fish Food Adv Leaflet (421):1-6

Feb 1967 10 G79LA

Biology, Crop rotation, Crop yields, Grain, *Heterodera avenae*, Plant nematodes.

The life cycle and means of detection, prevention and control of the cereal cyst eelworm (*Heterodera avenae*) are discussed. Avoidance of excessive oat crops, good soil maintenance and crop rotation are recommended as control measures.

3459-69

POTATO TUBER EELWORM.

Great Brit Min Agr Fish Food Adv Leaflet (372):1-4

May 1966 10 G79LA

Crop yields, *Ditylenchus destructor*, Host range, Life cycle, Nematode control, Plant nematodes, Potatoes, Tillage, Weed control.

The life cycle of the potato tuber eelworm (*Ditylenchus destructor*), the nature of its injury to potatoes, importance of alternate hosts, and means for control are discussed. The use of seeds from uninfected stock, and of less susceptible varieties, herbicidal control of weeds and proper handling of infected tubers are the recommended control measures.

3460-69

STEM EELWORM ON CLOVER.

Great Brit Min Agr Fish Food Adv Leaflet (409):1-5

May 1968 10 G79LA

Chemical control (nematodes), Crop rotation, *Ditylenchus dipsaci*, Methyl bromide, Nematocides, Plant nematode resistance, Plant nematodes, Red clover.

The life cycle of the clover stem eelworm (*Ditylenchus dipsaci*), its mode of transmission, the nature of the injury it produces and its detection in infected plants are discussed. Crop rotation, use of resistant varieties of clover and fumigation of seed with methyl bromide are the recommended control measures.

3461-69 HOT-WATER TREATMENT OF PLANT MATERIAL.

Great Brit Min Agr Fish Food Bull (201):1-42 REF
1967 10 G794B

Bulbs, Chrysanthemum, History, Hot water treatment (plants), Nematode control, Plant disease control, Plant nematodes, Seeds, Strawberries.

3462-69 NEMATODES IN AN IRRIGATED VINEYARD.

M R Sauer
Nematologica 14(3):457-458

1968 436.8 N342
Dibromo-3-chloropropane, 1,2-, Grape vineyards, Irrigation, Plant nematodes, Soil fumigation.

3463-69 TRANSMISSION OF VIRUSES BY LONGIDORUS ELONGATUS.

A M Yassin
Nematologica 14(3):419-428 REF
1968 436.8 N342

Animal vectors, Black ring, *Chenopodium amaranticolor*, *Longidorus elongatus*, Plant disease transmission, Plant nematodes, Ring spot, Virus diseases (plants).

WEEDS

3464-69 HOW HERBICIDES WORK.

Anonymous
Aust Tob Growers Bull (14):14
1968 69.8 AU72

Chemical control (weeds), Herbicide application, Herbicides, Light, Preemergence, Rainfall, Seedlings, Temperature.

3465-69 THE STATUS OF PREVENTIVE WEED CONTROL.

Z A Barker C R Edwards T H Harris W L Mathews W J Pitner J P Rogers R A Scott J F Spears W C Shaw
Weed Sci 17(1):126-127
Jan 1969 79.8 W41

Agricultural administration, Economics, Legislation, Regulations, Weed control.

3466-69 PLAINS PRICKLYPEAR: RELATION TO GRAZING INTENSITY AND BLUE GRAMA YIELD ON CENTRAL GREAT PLAINS.

R E Bement
J Range Manage 21(2):83-86 REF
Mar 1968 60.18 J82

Bouteloua gracilis, Cattle, Crop yields, Forage plants, Loam, *Opuntia*, Plant reproduction.

Abstract: Removal and heavy grazing of prickly pear by cattle.

3467-69 CONCERNING THE PROBLEM OF THE PERSISTENCE OF CERTAIN WEEDS IN WEEDED CULTURES AND IN THE FALL SOWING OF THE BANAT REGION. (RUM)

G Bujoreanu S Grigore N Arvat
Bucharest Inst Agron Timesoara Lucari Stiint 5:97-114 REF
1962 106.4 T48

Chernozems, Marshes, Plant geography, Podzol soils, Tables (data), Weed control, Weeds. French and Russian summaries. a list of 132 weeds is included.

3468-69 INFLUENCE OF TIME AND METHOD OF APPLICATION ON TURKEY OAK RESPONSE TO PICLORAM PLUS 2,4-D.

H D Coble R P Upchurch J A Keaton
Weed Sci 17(1):87-91
Jan 1969 79.8 W41

D, 2,4-, Dosage, Herbicide application, Herbicides, Methodology, Picloram, Plant physiology, *Quercus laevis*, Time.

3469-69 WEED CONTROL IN BEETS ON HUMUS RICH SOIL. (GE)

J Englet L Lehmann
Gesunde Pflanzen 20(8):160-163
Aug 1968 464.8 G33

Beets, Chemical control (weeds), Herbicides, Humus, Spraying.

3470-69 SOME UNDERGROUND RELATIONSHIPS BETWEEN AGROPYRON SPICATUM AND BROMUS TECTORUM.

G A Harris
Amer Forage Grassland Council 1966 MEETING:28-29
01 Feb 1966 60.19 J66

Agropyron spicatum, *Bromus tectorum*, Chemical control (weeds), Fertilizers, Forage plants, Grasses, Nitrates, Plant morphology, Plant physiology, Roots, Seed germination, Seedlings.

3471-69 COMPETITIVE EFFECTS OF ANNUAL WEEDS ON SPANISH PEANUTS.

L V Hill P W Santelmann
Weed Sci 17(1):1-2
Jan 1969 79.8 W41
Annual plants, Crop yields, Growth factors, Peanuts, Plant physiology, Soil moisture, Weeds.

3472-69 WEED PROBLEMS IN DEVELOPING COUNTRIES.

L Holm
Weed Sci 17(1):113-118 MAP
Jan 1969 79.8 W41
Weed control, Weeds, World agricultural situation.

3473-69 ON THE APPLICATION OF HERBICIDES ON BODIES OF WATER. (GE)

H Johannes
Berlin Biol Bundesanst Land-forstwirtschaft Mitt (126):5-118 REF
Dec 1967 410.9 G31M

Aquatic weeds, Chemical control (weeds), Dalapon, Dosage, Gardencress, Herbicides, Oxygen, Paraquat, Triazine, *Triticum vulgare*. English abstract

3474-69 ATTRAZINE AGAINST WILD OATS IN CORN FIELDS. (GE)

W Kampe
Gesunde Pflanzen 19(2):30-31
Feb 1967 464.8 G33
Atrazine, *Avena fatua*, Chemical control (weeds), Corn, Dosage, *Galium aparine*, Herbicides.

3475-69 LONG-TERM EFFECTS OF 2,4-D ON LANCELEAF RABBITBRUSH AND ASSOCIATED SPECIES.

W A Laycock T A Phillips
J Range Manage 21(2):90-93 REF
Mar 1968 60.18 J82

Achillea millefolium, *Agropyron spicatum*, Chemical control (weeds), *Chrysothamnus*, D, 2,4-, *Eriogonum heracleoides*, *Festuca idahoensis*, Forage plants, Herbicides, Lupine, *Potentilla*.

Abstract: Grass increased, soil must be moist to achieve spray affects.

3476-69 PLACEMENT OF EPTC-FERTILIZER WHEN SEEDING BIRDSFOOT TREFOIL.

D L Linscott R D Hagin
Weed Sci 17(1):108-109
Jan 1969 79.8 W41
Birdsfoot trefoil, Chemical control (weeds), Ethyl N,N-dipropylthiolcarbamate, Fertilizers, Herbicide application, Herbicides, Methodology, Planting.

3477-69 THE POSSIBLE ROLE OF PATHOGENIC FUNGI IN LOCAL DEGENERATION OF SALVINIA AURICULATA AUBLET ON LAKE KARIBA.

A R Loveless
Ann Appl Biol 63(1):61-69
Feb 1969 442.8 AN72
Alternaria, Biological control (weeds), Degeneration, Fungus diseases (plants), *Salvinia auriculata*.

3478-69 HERBICIDES IN USE.

A D Mears
Agr Gaz New S Wales 79(6):352-355
Jun 1968 23 N472
Catalogs, Chemical control (weeds), Herbicides, Methodology, Weed control.

This article contains a list of the main herbicides in use and remarks on their applicability to various weeds and application methods.

3479-69 THE CONTROL OF RUSHES.

Great Brit Min Agr Fish Food Adv Leaflet (433):1-5
Oct 1966 10 G79LA
Chemical control (weeds), Cultural control (weeds), D, 2,4-, Grazing, *Juncus*, Methyl-4-chlorophenoxyacetic acid, 2-, Plant geography, Plant morphology, Tillage.

Descriptions and geographic distribution of several species of rushes (*Juncus*) are provided. Sward cover, grazing, plowing and spraying with 2,4-D and MCPA are the recommended control measures.

3480-69 COMMON CHICKWEED.

Great Brit Min Agr Fish Food Adv Leaflet (528):1-5
Feb 1968 10 G79LA
Chemical control (weeds), Crops, Cultural control (weeds), Herbicide application, *Stellaria media*.

Lists are provided on recommended application rates for herbicidal control of chickweed (*Stellaria media*) and crops on which the herbicides may be used. Cultivation and grazing methods are also recommended.

3481-69 PROCESS OF KILLING PLANTS. PATENT 3,416,912.

E K Regel M F Botts
Off Gaz Patent Abst Sect 883-884
17 Dec 1968 T223.A2
Herbicides, Patents, Weed control.

3482-69 ECOLOGICAL ASPECTS OF WEED CONTROL IN COTTON IN THE ORD RIVER VALLEY, W.A. I. CONDITIONS AFFECTING GERMINATION OF WEEDS.

P J van Rijn
Australian J Exp Agr Anim Husb 8(34):620-624
Oct 1968 23 AU792
Cotton, Harvesting, Plant ecology, Seed germination, Seed treatment, Temperature, Weed control.

3483-69 TRIFLURALIN AND BENEFIN-NEW HERBICIDES FOR VEGETABLE GROWERS.

P F Rylands
Agr Gaz New S Wales 79(7):400-403
Jul 1968 23 N472

CROP PROTECTION

3484-69

Benefin, Chemical control (weeds), Grasses, Herbicide application, Soil adsorption, Treflan, Vegetables.

3484-69

STUDIES ON WEED CONTROL IN POTATO BY PRE-EMERGENCE TREATMENT WITH 2,4-DICHLOROPHENOXYACETIC ACID.

G Singh P A Adlakha

Prog Farming 4(3):360-369

Sep 1967 S19.P8

Crop yields, D, 2,4-, Potatoes, Research, Spraying, Weed control.

3485-69

ON THE EFFECT OF HERBICIDES ON SOME AGROPHYTOCOENOSES. (RU)

A G Skorniakova B K Bogachiov

Bot Zhur (moscow) 54(2):222-231 REF

Feb 1969 451 R923

Chemical control (weeds), Herbicides, Peas, Plant ecology, Simazine, Weed control. English abstract

3486-69

LIGHT FILTRATION BY FOLIAR CANOPIES: SIGNIFICANCE FOR LIGHT-CONTROLLED WEED SEED GERMINATION.

R B Taylorson H A Borthwick

Weed Sci 17(1):48-51

Jan 1969 79.8 W41

Chromoproteins, Corn, Filters, Leaves, Light, Plant growth inhibitors, Seed germination, Soybeans, Tobacco, Weeds.

3487-69

RAINFALL EFFECTS FOLLOWING HERBICIDAL TREATMENT OF WOODY PLANTS.

R P Upchurch H D Coble J A Keaton

Weed Sci 17(1):94-98 REF

Jan 1969 79.8 W41

Acer rubrum, Chemical control (weeds), Climbing plants, D, 2,4-, Dosage, Herbicide application, Herbicides, Picloram, Quercus laevis, Rainfall, T, 2,4,5-.

3488-69

GORSE CONTROL AT A PROFIT.

D B Wilson

Tasmanian J Agr 39(2):88-92

May 1968 23 T182T

Crop yields, Cultural control (weeds), Fertilizer application, Pasture management, Rabbits, Sheep, Superphosphates, Ulex, Weed control.

Land heavily infested with gorse (Ulex) was finally controlled by heavy stocking with sheep. Wool quality and quantity improved on this forced gorse feeding.

3489-69

CONTROL AND ECOLOGICAL STUDIES OF SCOTCH THISTLE.

J A Young R A Evans

Weed Sci 17(1):60-63

Jan 1969 79.8 W41

Chemical control (weeds), Dosage, Herbicide application, Herbicides, Onopordum acanthium, Picloram, Plant ecology.

3490-69

BARBAN FOR WILD OAT CONTROL. PATENT 3,416,913.

H C Jr. Zeisig O L Hoffman

Off Gaz Patent Abst Sect 884

17 Dec 1968 T223.A2

Avena fatua, Barban, Herbicides, Patents, Weed control.

OTHER PESTS

3491-69

METHOD FOR DISPERSING TOXICANTS TO KILL DISEASE-SPREADING WATER-SPAWNED LARVA, TREMATODES, MOLLUSKS AND SIMILAR ORGANISMS, AND PRODUCTS USED IN SUCH METHOD. PATENT 3,417,181.

BIBLIOGRAPHY

N F Cardarelli

Off Gaz Patent Abst Sect 931

17 Dec 1968 T223.A2

Chemicals, Larvae, Mollusks, Patents, Pesticide application, Trematoda.

3492-69

BLACKBIRD DEPREDATION IN AGRICULTURE.

Agr Sci Rev 5(2, 2ND QUARTER):15-22 MAP

1967 431.3 AG893

Agricultural research, Bird control, Bird pests, Blackbirds, Crop losses, Ecology.

3493-69

ASPECTS OF TRAPPING SLUGS WITH METALDEHYDE AND BRAN. (ABSTRACT).

D Webley

Pesticide Progr 5(3):81

May 1967 79.8 P434

Carbaryl, Fungicides, Metaldehyde, Slugs, Traps. This was the author's abstract taken from Ann. Appl. Biol. 56(1):37-45. 1965.

LIVESTOCK PROTECTION

3494-69

CONTRIBUTION TO THE QUESTION OF THE EFFECT OF RADIOACTIVE IODINE ON THYROID FUNCTION IN GOATS. (GE)

L A L L Ayoub

Deut Tierarztl Wochensh 75(14):341-344 REF

15 Jul 1968 41.8 D482

Animal physiology, Castration, Goats, Iodine isotopes, Laboratory animals, Protein fractions, Thyroid gland. English summary

3495-69

SILICA EXCRETION IN CATTLE FED A RATION PREDISPOSING TO SILICA UROLITHIASIS: TOTAL EXCRETION AND DIURNAL VARIATIONS.

C B Bailey

Amer J Vet Res 28(127):1743-1749 REF

Nov 1967 41.8 AM3A

Alfalfa, Animal physiology, Cattle, Diuresis, Excreta, Hay, Silica, Urine, Urolithiasis.

3496-69

PIG HEALTH SCHEME.

A G Beynon

Pig Farming 16(10):57,69

Oct 1968 46.8 P623

Agricultural economics, Animal breeding, Swine, Veterinary medicine.

3497-69

HALF-PERIODS OF SERUM PROTEINS IN THE DOG.

F W Bruenger W Stevens B J Stover

Amer J Vet Res 28(127):1699-1703 REF

Nov 1967 41.8 AM3A

Blood proteins, Dogs, Electrophoresis, Half-life, Methionine, Radioactive tracers.

3498-69

FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. FEED GRADE BIURET.

Fed Regist 34(33):2307

18 Feb 1969 L1.451

Animals, Biuret, Feed, Food additives, Water. This article is a correction for Feb. 7, 1969 issue appearing on page 1826.

3499-69

ORGANIZATION AND METHODS OF CENSUSING BIRDS AND HARMFUL RODENTS.

A N Formozov Y A Isakov

269P REF JERUSALEM, ISRAEL PROGRAM

FOR SCIENTIFIC TRANS.

1967 SK282.F63

Beneficial birds, Birds, Methodology, Organizations, Rodents, Statistics. Translated from Russian.

3500-69

PROTEIN-BOUND IODINE IN THE HORSE.

C H G Irvine

Amer J Vet Res 28(127):1687-1692 REF

Nov 1967 41.8 AM3A

Animal temperature, Blood tests, Horses, Iodine, Pregnancy, Proteins, Veterinary medicine.

3501-69

CONTROL CATTLE GRUBS.

G F Knowlton D W Thomas R S Roberts

Utah State Univ Ext Ext Leaflet 87:3-7

1968 275.29 UTIL

Anoplua, Beef cattle, Chemical control (insects), Chemicals, Dairy cattle, Grubs, Insect histology, Coumaphos, Trichlorfon, Ruelene, Ronnel were the chemicals used in this study

3502-69

CARBAMYL PHOSPHATE SYNTHETASE IN THE CHICK.

C G Maresh T H Kwan S M Kalman

Can J Biochem 47(1):61-63

Jan 1969 470 C16E

Biochemistry, Carbamyl, Chick embryos, Chicks, Enzymes, Liver, Phosphates, Pyrimidines.

3503-69

LONG-ACTING SULFONAMIDES IN CATTLE: A STUDY OF PHARMACOLOGIC PROPERTIES.

R Silvestri G P Magnifico F S Glatstein G

Amer J Vet Res 28(127):1783-1797 REF

Nov 1967 41.8 AM3A

Blood analysis, Cattle, Pharmacology, Sulfonamides, Toxicology, Veterinary medicine.

3504-69

EXPERIMENTAL RESEARCH ON THE INFLUENCE OF INSULIN ON THE PRODUCTION OF MILK AND MEAT IN CATTLE. (RUM)

P Spinu I Dancea V Fedorovici

Bucharest Inst Agron Tinesoara Lucari Stiint

5:129-134 REF

1962 106.4 T48

Beef, Cattle, Insulin, Milk. French and Russian summaries.

3505-69

HISTAMINE IN THE COW. EFFECT OF HISTAMINE AND ESTRADIOL ADMINISTRATION ON PROTEIN CONCENTRATIONS IN MILK.

A Zarkower

Amer J Vet Res 28(127):1757-1762 REF

Nov 1967 41.8 AM3A

Blood proteins, Edema, Estradiol, Histamine, Mammary glands, Milk, Serum albumin, Serum globulins.

DISEASES

3506-69

THE INCIDENCE OF AVIAN LEUCOSIS COMPLEX IN NON-NATIVE POULTRY. (PE)

A Afshar M Edjehadi H Kayvanfar

Tehran Univ Vet Fac J 24(3/4):118-128 REF

Sep 1968 41.9 T23

Avian leukosis complex, Avian lymphomatosis, Chickens, Diagnosis, Epidemiology, Immunization, Poultry diseases, Vaccines, Virus diseases (animals). English summary.

3507-69

INTERSTATE MOVEMENT OF VACCINES AND SWINE TREATED WITH SUCH VACCINES; NOTICE REGARDING PROPOSED AMENDMENTS AND OF HEARING THEREON.

R J Anderson

Fed Regist 34(63):6047

03 Apr 1969 L1.451

Hog cholera vaccines, Interstate commerce, Livestock diseases, Regulations, Swine, Vaccines.

3508-69

SULPHAMIDE AND ANTIBIOTIC SENSITIVITY OF SOME LISTERIA MONOCYTOGENES STRAINS ISOLATED FROM ANIMALS. (RUM)

A Baies D Marica M Pop

Rev Zootech 17(2):41-45

Feb 1967 49 P943

Animal diseases, Antibiotics, Bacteria, Bacteriology, Immunity, *Listeria monocytogenes*, Listeriosis, Resistance, Sulfonamides. English, French and Russian summaries.

3509-69

A STUDY ON THE ECOLOGY OF ARBOVIRUS IN THE PROVINCES OF LATINA AND GORIZIA (1964-1967). (IT)

M Balducci P Verani G Sacca M C Lopes

Ist Super Sanit Ann 3(6):705-719

1967 R65.18

Antibodies, Arboviruses, Ecology, Insect vectors, Serological tests, Virus diseases (animals). English abstract

3510-69

AN INTERFERENCE TYPE OF SEROLOGICAL TEST FOR INFECTIOUS BRONCHITIS VIRUS USING NEWCASTLE DISEASE VIRUS.

C W Beard

Avian Dis 7(4):658-665

Nov 1968 41.8 AV5

Infectious bronchitis virus, Interference phenomenon, Newcastle disease virus, Poultry, Serological tests, Virus diseases (animals).

3511-69

FURTHER DATA ON HYPOVITAMINOSIS A IN SWINE. (RUM)

C Berbinschi T Bugeac S Demetrian

Rev Zootech 17(2):46-51

Feb 1967 49 P943

Animal nutrition, Carotenes, Deficiency diseases, Livestock diseases, Swine, Symptomatology, Vitamin a. English, French and Russian summaries.

3512-69

FINGERPRINTING DISEASE.

P Best

Pig Farming 16(10):71-75

Oct 1968 46.8 P623

Animal diseases, Drugs, Research, Swine, Veterinary medicine.

3513-69

PATHOGENESIS OF FOOT-AND-MOUTH DISEASE IN ENDOCRINE GLANDS OF EXPERIMENTALLY INFECTED GOATS.

R C Bhalla G L Sharma

Indian J Vet Sci Anim Husb 37(4):287-297

Dec 1967 41.8 IN22

Animal histology, Endocrine glands, Foot-and-mouth disease, Goats, Livestock diseases, Pathogenesis.

3514-69

STUDIES ON THE PATHOGENESIS OF FOOT-AND-MOUTH DISEASE IN THE PANCREAS OF GOATS.

R C Bhalla G L Sharma

Indian J Vet Sci Anim Husb 38(1):60-66

Mar 1968 41.8 IN22

Animal histology, Foot-and-mouth disease, Goats, Pancreas, Pathogenesis.

3515-69

BIRDS. IN: DISEASES OF MAN ACQUIRED FROM HIS PETS.

B Bisseru

105-148 PHILADELPHIA, LIPPINCOTT

1967 RC639.B5

Allergies, Animal vectors, Bacterial diseases (animals), Birds, Diagnosis, Disease control, Epidemiology, Helminthiasis, Human diseases, Infectious diseases, Pets, Poisoning, Virus diseases (animals).

3516-69

RODENTS. IN: DISEASES OF MAN ACQUIRED FROM HIS PETS.

B Bisseru

149-221 REF PHILADELPHIA, LIPPINCOTT

1967 RC639.B5

Animal diseases, Animal vectors, Bacterial diseases (animals), Diagnosis, Epidemiology, Fungus diseases (animals), Helminthiasis, Human diseases, Pesticides, Pets, Protozoa, Rodents, Virus diseases (animals), Wildlife pests.

3517-69

NON-HUMAN PRIMATES. IN: DISEASES OF MAN ACQUIRED FROM HIS PETS.

B Bisseru

222-278 REF PHILADELPHIA, LIPPINCOTT

1967 RC639.B5

Animal diseases, Animal vectors, Arthropoda, Bacterial diseases (animals), Diagnosis, Epidemiology, Fungus diseases (animals), Helminthiasis, Human diseases, Infectious diseases, Pets, Primates, Virus diseases (animals).

3518-69

FISH (INCLUDING OTHER MARINE ANIMALS). IN: DISEASES OF MAN ACQUIRED FROM HIS PETS.

B Bisseru

412-415 PHILADELPHIA, LIPPINCOTT

1967 RC639.B5

Animal protective devices, Animal vectors, Aquatic animals, Epidemiology, Fish, Helminthiasis, Human diseases, Infectious diseases, Pets, Wildlife diseases.

3519-69

REPTILES AND AMPHIBIANS. IN: DISEASES OF MAN ACQUIRED FROM HIS PETS.

B Bisseru

404-411 PHILADELPHIA, LIPPINCOTT

1967 RC639.B5

Amphibians, Animal diseases, Animal vectors, Arthropoda, Bacterial diseases (animals), Drug therapy, Fungus diseases (animals), Human diseases, Infectious diseases, Pets, Reptiles, Snake venom.

3520-69

UNGULATES. IN: DISEASES OF MAN ACQUIRED FROM HIS PETS.

B Bisseru

279-403 REF PHILADELPHIA, LIPPINCOTT

1967 RC639.B5

Animal vectors, Bacterial diseases (animals), Diagnosis, Disease control, Epidemiology, Food poisoning, Fungus diseases (animals), Helminthiasis, Human diseases, Livestock, Livestock diseases, Parasitic insects, Pets, Virus diseases (animals).

3521-69

ZOONOSIS WITH SPECIAL REFERENCE TO THE DISEASES TRANSMITTED FROM DOGS AND CATS.

B Bisseru

Malaysian Vet J 4(2):100-106

Dec 1967 41.9 M292

Birds, Cats, Disease transmission, Dogs, Human diseases, Monkeys, Pets, Rodents, Zoonoses.

A list of the most important infections acquired from dogs, cats, and certain types of animals with which we come in contact particularly as pets, in the laboratory or veterinary practice is given.

3522-69

STUDIES ON THE STABILITY OF SOME BIOLOGICAL PROPERTIES OF THE RABBIT-ADAPTED SWINE FEVER VIRUS STRAIN C.

L Bran S Mihaita M Popa N Totorcea T Albu N Tigaeru

Arch Vet 2(2):31-42

1967 41.8 AR27

Biochemistry, Hog cholera vaccines, Hog cholera virus, Immunity, Rabbits, Testing, Virology. French, German and Russian summaries.

3523-69

AVIAN LEUCOSIS: 1966-1967. (FR)

A Brion

Rec Med Vet 144(8):735-741

Aug 1968 41.8 R24

Antigens, Cells, Culture media, Genetics, Genotypes, Leukosis, Poultry diseases, Resistance, Sarcoma, Serological tests, Susceptibility, Virus diseases (animals). English and Spanish summaries.

3524-69

OVINE LEPTOSPIROSIS. A STUDY OF ITS FREQUENCY IN ARGENTINA. ISOLATION AND CLASSIFICATION OF A NEW OVINE STRAIN. (SP)

R A Cacchione V C F Cedro M J D Bulgini E S Cascelli

Argent Repub Inst Nac Zoonosis Ser Tec (N

s)(24):311-318

1963 41.9 AR36

Bacterial diseases (animals), *Leptospira ballum*, Leptospirosis, Livestock diseases, Serological tests, Sheep. English summary.

Reprint from: Revista de Investigaciones Ganaderas no. 18.

3525-69

BRUCELLOSIS VACCINATION OF CALVES.*Can Dep Agr Publ* (1371):4P

1968 7 C16PU

Bacterial diseases (animals), Brucellosis, Calves, Drug therapy, Immunization, Livestock diseases, Vaccines.

3526-69

ANTHRAX.*Can Dep Agr Publ* (1366):6P

1968 7 C16PU

Anthrax, *Bacillus anthracis*, Bacterial diseases (animals), Disease transmission, Immunization, Livestock diseases, Quarantine, Symptomatology, Vaccines.

3527-69

THE EFFECT OF ANTIBACTERIALS ON SALMONELLA TYPHIMURIUM WITHIN HATCHING EGGS.

V L Carlson G H Snoeyenbos

Avian Dis 7(4):606-614

Nov 1968 41.8 AV5

Bacteria, Eggs, Livestock diseases, Poultry, *Salmonella typhimurium*.

3528-69

A VACCINE AGAINST BRUCELLOSIS OF THE GOAT. (SP)

V C F Cedro H O Cisale L M E de Benedetti R A Maubecin

Argent Repub Inst Nac Zoonosis Ser Tec (N

s)(25):261-266

1963 41.9 AR36

Antigens, Bacterial diseases (animals), *Brucella abortus* vaccines, *Brucella melitensis*, Brucellosis, Goats, Livestock diseases, Vaccines. English summary.

Reprint from: Revista de Investigaciones Ganaderas No. 18.

3529-69

BRUCELLOSIS. SOME ASPECTS OF BRUCELLOSIS IN GOATS. (SP)

V C F Cedro H O Cisale R A Maubecin L M E de Benedetti

Argent Repub Inst Nac Zoonosis Ser Tec (N

s)(15):133-143 MAP REF

1962 41.9 AR36

Brucella abortus, *Brucella melitensis*, *Brucella suis*, Brucellosis, Diagnosis, Goats, Human diseases, Livestock diseases, Symptomatology. English and French summaries.

Reprint from: Revista de Investigaciones Ganaderas , no. 14.

3530-69

VACCINATION AGAINST SWINE BRUCELLOSIS. SECOND FIELD TEST. (SP)

V C F Cedro H O Cisale R Barrantes

Argent Repub Inst Nac Zoonosis Ser Tec (N

s)(3):337-345

1960 41.9 AR36

Brucellosis, Complement fixation, Immunization, Immunochemistry, Livestock diseases, Swine, Testing, Vaccines. English, French and German summaries.

Reprint from Revista de Investigaciones Ganaderas, no. 10.

3531-69

CASE REPORT: MIXED INFECTIONS WITH SUBGROUPS A AND B AVIAN LEUKOSIS VIRUSES IN COMMERCIAL WHITE LEGHORN CHICKENS.

B R Cho S G Kenzy U H Kim

Avian Dis 7(4):585-593 REF

Nov 1968 41.8 AV5

Avian leukosis complex viruses, Chickens, Livestock diseases, Virus diseases (animals).

3532-69

BRUCELLOSIS IN BULLS. CORRELATIONS BETWEEN CLINICAL SYMPTOMS AND AGGLUTINATION TEST IN BLOOD SERUM AND SEMINAL PLASMA. (SP)

H O Cisale J E B Ostrowski V C F Cedro L M de Benedetti

Argent Repub Inst Nac Zoonosis Ser Tec (N s) (18):207-216

1962 41.9 AR36

Agglutination test, Blood serum, Brucellosis, Bulls, Correlation, Livestock diseases, Semen, Symptomatology. English, French and German summaries.

Reprint from Revista de Investigaciones Ganaderas, no. 14.

3533-69

STUDIES ON ACUTE MAREK'S DISEASE. VII. AIRBORNE TRANSMISSION OF THE GA ISOLATE.

W M Colwell S C Schmittle

Avian Dis 7(4):724-729 REF

Nov 1968 41.8 AV5

Avian lymphomatosis, Gibberellic acid, Livestock diseases, Poultry, Research.

3534-69

A HISTOLOGICAL STUDY OF THE EFFECTS OF ENZOOTIC ABORTION OF EWES VIRUS IN THE LACTATING BOVINE MAMMARY GLAND.

A H Corner G L Bannister D P Hill

Can J Comp Med Vet Sci 32(1):372-381

Jan 1968 41.8 C162

Abortion, Dairy cattle, Histology, Mammary glands, Milk, Research, Sheep, Virus diseases (animals).

3535-69

ETIOLOGY AND TREATMENT OF HYPOMAGNESEMIA IN CATTLE. (RUM)

I Cristea

Rev Zootech 17(2):52-58 REF

Feb 1967 49 P943

Alkali metal salts, Animal nutrition, Cattle, Deficiency diseases, Etiology, Hypomagnesemia, Livestock diseases, Potassium salts, Sodium. English, French and Russian summaries.

3536-69

ACCREDITED PULLORUM TESTED FLOCK SCHEME HATCHERY SCHEME.

Agr Gaz New S Wales 79(7):446-448

Jul 1968 23 N472

Bacterial diseases (animals), Chickens, Poultry disease prevention, Poultry hatcheries, Salmonella pullorum.

In order to be accredited hatcheries and chicken flocks must be tested for pullorum regularly. This article contains a classified list of such accreditations.

3537-69

BOVINE LEPTOSPIRA POMONA INFECTION: THE DISEASE IN CATTLE INFECTED DURING AN EXPERIMENTAL OUTBREAK.

P C Doherty

Queensland J Agr Anim Sci 24(3-4,SEP-DEC):351-364 REF

Dec 1967 23 Q37

Antibodies, Bacterial diseases (animals), Cattle, Leptospira pomona, Livestock diseases, Pathology, Serological tests.

3538-69

BOVINE LEPTOSPIRA POMONA INFECTION: THE DISEASE IN INOCULATED CATTLE.

P C Doherty

Queensland J Agr Anim Sci 24(3-4,SEP-DEC):343-350 REF

Dec 1967 23 Q37

Bacterial diseases (animals), Cattle, Immunity, Leptospira pomona, Symptomatology, Vaccines.

3539-69

VIRUS ISOLATION AND SEROLOGICAL STUDIES OF ARTHROPOD-BORNE VIRUS INFECTIONS IN A HIGH RAINFALL AREA OF NORTH QUEENSLAND.

R L Doherty H A Standfast E J Wetters R H

Whitehead G J Barrow B M Gorman

Roy Soc Trop Med Hyg Trans 62(6):862-867 REF

1968 44.8 R813

Arboviruses, Arthropoda, Epidemiology, Insect vectors, Murray valley encephalitis virus, Rainfall, Serological tests, Serum, Sindbis virus, Virus diseases (animals).

3540-69

STUDIES ON GROWTH CURVE, VIRAEEMIA AND THE LOCALIZATION OF AFRICAN HORSE SICKNESS VIRUS TYPE IX IN ADULT MICE.

O P Dwivedi S Kumar

Indian J Vet Sci Anim Husband 38(1):52-59

Mar 1968 41.8 IN22

African horse sickness virus, Life cycle, Mice, Viremia.

3541-69

MASTITIS.

J A Elliott

Can Dep Agr Publ (1082):5P

1968 7 C16PU

Antibiotics, Bacterial diseases (animals), Canada, Costs, Disease control, Farm management, Feeds, Livestock diseases, Mastitis, Milking, Milking machines, Symptomatology, Testing, Udders.

3542-69

AN APPROACH TO IDENTIFYING ATYPICAL STREPTOCOCCI FROM BOVINE MASTITIS: SEROLOGICAL CLASSIFICATION AND RESISTANCE DETERMINATIONS. (NO)

O Engebretsen

Nord Veterinaarmed 20(10):557-561

Oct 1968 41.8 N813

Antibiotics, Bacteriology, Cattle, Livestock diseases, Mastitis, Resistance, Serological tests, Streptococcus. English and German summaries.

3543-69

A NEW INDUCED TRANSPLANTABLE RAT MAMMARY CARCINOMA.

G C Engle G R Spencer

Amer J Vet Res 28(12):1851-1856 REF

Nov 1967 41.8 AM3A

Adenocarcinoma, Mammary glands, Rats, Transplanting, X-rays.

3544-69

THE INFLUENCE OF SOME MICROELEMENTS ON THE FATTENING PROCESS OF GEESSE THROUGH A DIET CONTAINING A LOT OF CORN. (RUM)

V Fazecas G Nichita N Netedu C Fuchs

Bucharest Inst Agron Timesoara Lucari Stiint 5:207-213

1962 106.4 T48

Animal nutrition, Cobalt, Copper, Corn, Geese, Iron, Manganese, Micronutrients. French and Russian summaries.

3545-69

SKIN TUMORS IN NEW YORK DEER.

M Friend

Wildlife Dis Ass Bull 3(3):102-104

Jul 1967 41.9 W64B

Deer, Neoplasms, Research, Skin diseases.

3546-69

THE PRODUCTION AND EFFECT OF INTERFERON ON INFLUENZA VIRUS GROWTH IN CHICK EMBRYO LUNG EPITHELIAL AND FIBROBLAST CELL CULTURES.

S S Gandhi R B Stewart

Can J Microbiol 15(3):273-277 REF

Mar 1969 44.8 C162

Chick embryos, Culture media, Influenza viruses, Interferon, Lungs, Newcastle disease, Synthesis, Virology.

3547-69

LEPTOSPIROSIS.

R J Gillham

Tasmanian J Agr 39(3):183-185

Aug 1968 23 T182T

Cattle, Disease transmission, Hygiene, Leptospira pomona, Leptospirosis, Swine, Symptomatology, Vaccines.

Leptospirosis, caused by Leptospira pomona in cattle and L. hyos in swine, may even be transmitted to man. The symptoms, transmission, and treatment of the disease are presented.

3548-69

ESCHERICHIA COLI SEROGROUP 115 ISOLATED FROM ANIMALS: ISOLATION FROM NATURAL CASES OF DISEASE.

P G Glantz D C Kradel

Amer J Vet Res 28(12):1891-1895 REF

Nov 1967 41.8 AM3A

Animal diseases, Cattle, Escherichia coli bacterin, Gastroenteritis, Septicemia, Sheep, Swine.

3549-69

CONTRIBUTION TO THE STUDY OF MALIGNANT OCULAR NEOPLASMS IN CATTLE. (RUM)

N Gluhovschi M Rosu I Jivanescu P Bilcea M

Naformita I Garici

Rev Zootech 18(10):34-37

Oct 1968 49 P943

Cattle, Etiology, Eyes, Livestock diseases, Neoplasms, Symptomatology.

3550-69

LEPTOSPIROSIS AS A FACTOR OF ABORTION AND STERILITY IN FEMALE DOMESTICATED ANIMALS. (RUM)

N Gluhovschi V Topciu B Glavan S Levin

Bucharest Inst Agron Timesoara Lucari Stiint 5:135-143

1962 106.4 T48

Abortion, Bacterial diseases (animals), Cattle, Leptospirosis, Livestock diseases, Sterility, Swine. French and Russian summaries.

3551-69

THE CONTROL OF FOOTROT.

N P H Graham

Inst Vet Insp New S Wales Vet Insp Annu 31:61-64

1967 41.9 IN73

Antibiotics, Chemical control (animal diseases), Foot rot (animals), Livestock diseases, Sheep.

3552-69

THE OCCURRENCE OF VIRUS AND INTERFERON IN THE SPLEEN SERUM AND BRAIN IN MICE AFTER EXPERIMENTAL INFECTION WITH THE WEST NILE VIRUS.

S Haahr

Acta Pathol Microbiol Scand 74(3):445-457 REF

1968 44.8.3 AC8

Brain, Dosage, Interferon, Laboratory animals, Mice, Serum, Spleen, Virology, Virus diseases (animals), West Nile virus.

3553-69

CONTROL OF TOXOPLASMOSIS BY 60CO GAMMA-IRRADIATION OF LAMB MEAT. (JA)

H Hosoya S Nagao T Sagara

Tokyo Soc Vet Zootech Sci J (14/15):83-87

Dec 1965 41.9 T574

Animal diseases, Cobalt isotopes, Gamma rays, Irradiation, Lambs, Meat, Toxoplasmosis.

**3554-69
PULLORUM DISEASE--AN IMPORTANT CAUSE OF CHICKEN DEATHS.**

C A W Jackson
Agr Gaz New S Wales 79(6):356-360
Jun 1968 23 N472

Chickens, Disease control, Disease transmission, Formaldehyde, Furazolidone, Pullorum disease, Salmonella pullorum, Symptomatology.

Pullorum disease in chickens, caused by the bacterium *Salmonella pullorum*, its transmission, symptoms, treatment, and eradication are discussed. Sanitation measures for its prevention are suggested.

**3555-69
RESPIRATORY DISEASES OF POULTRY.**

F T W Jordan
Spain; Shell Pub Health Agr News 11(1):24-27
1968 464.8 SP2

Bacterial vaccines, *Escherichia coli*, Fowlpox, Immunization, Infectious bronchitis, Infectious diseases, Infectious laryngotracheitis, Mycoplasmosis, Newcastle disease, Poultry, Septicemia, Viruses.

**3556-69
EFFICIENCY OF VARIOUS DIAGNOSTIC TESTS FOR MASTITIS.**

D S Kalra
Prog Farming 4(3):449-456 REF
Sep 1967 S19.P8

Blister rust, Diagnosis, Laboratories, Mastitis, Milk analysis, Research.

**3557-69
COMPARATIVE HISTOPATHOLOGY OF EXPERIMENTAL BLUETONGUE DISEASE AND EPIZOOTIC HEMORRHAGIC DISEASE OF DEER. ABSTRACT.**

L Karstad
Wildlife Dis Ass Bull 3(3):119
Jul 1967 41.9 W64B

Anatomy, Animal diseases, Bluetongue virus, Deer, Epizootic diseases, Histology, Tissues. Is from a Wildlife Disease Conference in Illinois

**3558-69
EXPERIMENTALLY INDUCED IMMUNITY IN GULLS TO TYPE E BOTULISM.**

O W Kaufmann E M Crecelius
Amer J Vet Res 28(12):1857-1862
Nov 1967 41.8 AM3A

Animal diseases, Botulism, *Clostridium botulinum*, Gulls, Immunization.

**3559-69
ANTIBODY TITER AGAINST LEPTOSPIRA IN LIVER- AND OTHER INTERNAL DISEASES. (GE)**

J Konrad J Vosta
Deut Tierarztl Wochensh 75(14):347-352 REF
15 Jul 1968 41.8 D482

Animal diseases, Antibodies, Horses, *Leptospira*, Leptospirosis, Liver diseases, Tables (data), Volumetric analysis. English summary.

Leptospira were discovered in the following numerical order: grippotyphosa, ictero-haemorrhagiae, australis, pomona, canicola and ballum.

**3560-69
MELIOIDOSIS IN ANIMALS IN NORTH QUEENSLAND. V. SEROLOGICAL METHODS OF DIAGNOSIS IN SHEEP.**

L Laws
Queensland J Agr Anim Sci 24(2):207-221 REF
Jun 1967 23 Q37

Complement fixation, Diagnosis, Hemagglutination, Melioidosis, *Pseudomonas aeruginosa*, *Pseudomonas pseudomallei*, Serological tests, Sheep.

**3561-69
MELIOIDOSIS IN ANIMALS IN NORTH QUEENSLAND. VI. SEROLOGICAL METHODS OF DIAGNOSIS IN GOATS, PIGS, CATTLE, HORSES, AND MAN.**

L Laws
Queensland J Agr Anim Sci 24(2):223-234 REF
Jun 1967 23 Q37

Antibodies, Cattle, Complement fixation, Diagnosis, Goats, Hemagglutination, Horses, Human diseases, Melioidosis, *Pseudomonas pseudomallei*, Serological tests, Swine.

**3562-69
SODIUM SILICOFLUORIDE FROM A LOCAL FLOROSIL PREPARATION IN THE TREATMENT OF CATTLE TRICOPHYTIA. (RUM)**

M Lepadat-Teofil
Rev Zootech 18(10):62-64
Oct 1968 49 P943

Cattle, Florisil, Fungus diseases (animals), Livestock diseases, Ringworm, Sodium fluosilicate.

**3563-69
ANAPHYLACTIC SHOCK TYPE REACTIONS SUBSEQUENT TO RABIES VACCINATION OF CATTLE. (RUM)**

A Levinschi
Rev Zootech 18(10):65-66
Oct 1968 49 P943

Anaphylaxis, Cattle, Immunization, Livestock diseases, Rabies, Symptomatology, Virus diseases (animals).

**3564-69
OCCURRENCE OF SPONTANEOUS ATHEROSCLEROSIS IN THE AORTAS OF SWINE. (POR)**

A V Machado
Minas Gerais Univ Escol Vet Arq 18:135-142
REF

1966 41.9 M662
Aorta, Atherosclerosis, Cholesterol, Histopathology, Lesions, Livestock diseases, Swine. English summary.

**3565-69
RESEARCH NOTE: CULTIVATION OF AVIAN ENCEPHALOMYELITIS VIRUS IN CHICKEN EMBRYO KIDNEY CELL CULTURE.**

L O Mancini V J Yates
Avian Dis 7(4):686-688
Nov 1967 41.8 AV5

Avian encephalomyelitis, Cells, Chickens, Culture media, Embryology, Kidneys, Research, Virus diseases (animals).

**3566-69
EXPERIMENTAL TRYPANOSOMA CRUZI INFECTION IN BEAGLE PUPPIES. THE EFFECT OF VARIATIONS IN THE DOSE AND SOURCE OF INFECTING TRYPANOSOMES AND THE ROUTE OF INOCULATION ON THE COURSE OF THE INFECTION.**

P D Marsden J W C Hagstrom
Roy Soc Trop Med Hyg Trans 62(6):816-824 REF
1968 448.9 R813

Animal diseases, Beagle dogs, Dosage, Immunization, Laboratory animals, Pathogenicity, Rhodnius prolixus, *Trypanosoma cruzi*, Trypanosome.

**3567-69
ISOLATION OF BRUCELLA ABORTUS FROM GOATS AND SHEEP IN THE PUNJAB.**

T N Mathur
Indian J Vet Sci Anim Husb 37(4):277-286
Dec 1967 41.8 IN22

Bacterial diseases (animals), *Brucella abortus*, Goats, Milk, Sheep.

**3568-69
HYDATIDS.**

G K Meldrum
Tasmanian J Agr 39(4):312-320 MAP
Nov 1968 23 T182T

Disease control, Dogs, Echinococcosis, Sheep.

**3569-69
HISTOLOGICAL, IMMUNO-FLUORESCENT AND HISTOCHEMICAL STUDIES ON THE BEHAVIOR OF THE INCLUSION BODIES IN CANINE DISTEMPER. (GE)**

C-u von Mickwitz H-d Schroeder
Zentralbl Vet (SER B) 15(4):453-470 REF
Jun 1968 41.8 Z52

Animal diseases, Animal histology, Canine distemper, Dogs, Fluorescence, Histochemistry, Immunology, Inclusion bodies. English, French, Spanish summaries.

**3570-69
CHANGE OF O- ANTIGEN OF THE SPECIES VIBRIO FETUS. (GE)**

E Mitscherlich R Heider
Zentralbl Veterinarmed Reihe B (SER B) 15(4):486-493 REF
Jun 1968 41.8 Z52

Antigens, Cattle, Livestock diseases, Reproductive organs, *Vibrio fetus* bacterins, Vibriosis. English, French, Spanish summaries.

**3571-69
RESEARCH NOTE: SOME OBSERVATIONS ON EXPERIMENTAL AVIAN ENCEPHALOMYELITIS.**

G C Mohanty J L West
Avian Dis 7(4):689-693
Nov 1967 41.8 AV5

Avian encephalomyelitis, Poultry, Research, Virus diseases (animals).

**3572-69
FOOT-AND-MOUTH DISEASE IMMUNITY AS DEPENDENT ON VACCINE DOSIS AND ON THE REACTIVITY OF THE ORGANISM.**

N Muntiu V Dohotaru A Bercan I Marinescu A Tomescu
Arch Vet 2(2):3-20 REF
1967 41.8 AR27

Cattle, Dosage, Foot-and-mouth disease, Immunity, Livestock diseases, Tables (data), Time, Vaccines. French, German and Russian summaries.

**3573-69
REACTION OF SKELETAL MUSCLE TO MYCOPLASMA CAPRAE.**

M S Nagi G L Sharma N P Bhalla
Indian J Vet Sci Anim Husb 37(2):118-121
Jun 1967 41.8 IN22
Animal histology, Goats, Muscles, Mycoplasma. Atrophy of skeletal muscle.

**3574-69
MASTITIS CONDITIONED BY FEEDING. (DA)**

S J Olsen
Nord Veterinarmed 20(10):562-575 REF
Oct 1968 41.8 N813
Animal nutrition, Etiology, Feed, Livestock diseases, Mastitis, Proteins, Sugar, Water pollution. English and German summaries.

**3575-69
THE EFFECT OF MANGANESE ON YOUNG POULTRY GROWTH. (RUM)**

E Poll V Martin M Dumitrescu V Martin
Rev Zootech 17(2):59-71 REF
Feb 1967 49 P943
Animal nutrition, Animal physiology, Calcium chloride, Deficiency diseases, Hypomagnesemia, Leghorn chickens, Magnesium chloride, Magnesium oxide, Magnesium sulfate, Manganese, Poultry diseases, Proteins. English, French and Russian summaries.

**3576-69
FOWL PLAGUE PREVENTION BY IMMUNIZATION. (RUM)**

I Popovici A Popoviciu
Rev Zootech 18(10):34-37
Oct 1968 49 P943
Antibiotics, Fowl plague, Immunization, Poultry diseases, Tissue culture, Vaccines.

**3577-69
THE IN VIVO INTERACTION OF CANDIDA ALBICANS AND SALMONELLA TYPHIMURIUM.**

C Ramirez J P Ransom D H Pitkin
Microbiol Espan 21(1-2, JAN-JUN):89-91
1968 448.3 M583
Bacterial diseases (animals), *Candida albicans*, Mice, Pathogenicity, *Salmonella typhimurium*.

3578-69

SWINE BRUCELLOSIS.A Retnasabapathy C S Kheng
Malaysian Vet J 4(2):130-135

Dec 1967 41.9 M292

Bacterial diseases (animals), Bacteriology, Brucellosis, Disease control, Epidemiology, Sanitation, Swine, Symptomatology.

3579-69

INFLUENCE OF STREPTOCOCCUS EQUISIMILIS ON SITES OF ENDOCHONDRAL OSSIFICATION IN SWINE.

E D Roberts F K Ramsey W P Switzer J M

Layton

Amer J Vet Res 28(127):1677-1685 REF

Nov 1967 41.8 AM3A

Animal diseases, Bone marrow, Calcification (physiological), Cartilage, Injections, Streptococcus equisimilis, Swine.

3580-69

EPIZOOTIOLOGIC AND LABORATORY RESEARCHES ON ASPERGILLUS FUMIGATUS IN FOWL, YOUNG CATTLE AND SHEEP. (RUM)

V Rosca V Stanescu

Rev Zootech 18(10):54-61

Oct 1968 49 P943

Aspergillosis, Aspergillus fumigatus, Calves, Diagnosis, Epizootic diseases, Fungus diseases (animals), Laboratories, Livestock diseases, Mycosis, Poultry diseases, Sheep. English, French and Russian summaries.

3581-69

LEPTOSPIROSIS IN ARGENTINA. (SP)

H Rugiero R A Cacchione

Argent Repub Inst Nac Zoonosis Ser Tec (N s)(31):123-138 MAP REF

1964 41.9 AR36

Bacterial diseases (animals), Epidemiology, History, Leptospirosis, Livestock diseases, Serological tests, Weil's disease. English summary.

Reprint from: Revista de Investigaciones Agropecuarias (ser 4)1(10).

3582-69

IDENTIFICATION AND DIFFERENTIATION OF BACILLUS ANTHRACIS IN CULTURES AND TISSUES FROM OTHER GERMS OF THE GENUS BACILLUS WITH THE AID OF FLUORESCENT ANTIBODIES. (FR)

A Eteanu

Arch Vet 2(2):43-61 REF

1967 41.8 AR27

Anthrax bacterins, Bacillus, Bacillus anthracis, Bacteriology, Fluorescent antibody technic, Immunofluorescence, Testing, Tissue culture.

3583-69

AN OUTBREAK OF INFECTIOUS BOVINE KERATITIS IN KEDAH.

C Samuel

Malaysian Vet J 4(2):139-141

Dec 1967 41.9 M292

Bacterial diseases (animals), Cattle, Drug therapy, Epidemiology, Eyes, Infectious diseases, Infectious keratitis, Moraxella bovis, Symptomatology.

3584-69

ANIMAL PARASITES OF ANIMALS WHICH AFFECT MAN IN MALAYSIA.

A A Sandosham M N Keling

Malaysian Vet J 4(2):112-129 REF

Dec 1967 41.9 M292

Animals, Arthropoda, Disease transmission, Humans, Parasitism, Platyhelminthes, Protozoa. 36 specific diseases caused by protozoa, arthropods, and helminths were discussed.

3585-69

STUDIES OF AVIAN LEUKOSIS GROUP-SPECIFIC COMPLEMENT-FIXING SERUM ANTIBODIES IN PIGEONS.

P S Sarma T Log R J Huebner H C Turner

Virology 37(3):480-483 REF

Mar 1969 448.8 V81

Antibodies, Avian leukosis complex, Complement fixation, Neoplasms, Pigeons, Rous sarcoma virus, Serum, Virus diseases (animals).

3586-69

USE OF ALKYLGUANIDINE SALTS AS VIRUCIDES. PATENT 3,436,461.

F Scotti

Us Patent Office Offic Gaz 861(1):250

01 Apr 1969 156.65 OF2

Disease control, Guanidine, Herpes simplex, Influenza viruses, Salts, Virucides, Virus diseases (animals).

3587-69

COMPARATIVE MORPHOLOGIC FEATURES OF BABESIA CABALLI AND BABESIA EQUI.

C F Simpson W W Kirkham J M Kling

Amer J Vet Res 28(127):1693

Nov 1967 41.8 AM3A

Babesia caballi, Babesia equi, Blood parasites, Electron microscopy, Horses, Microorganisms, Morphology.

3588-69

ISOLATION AND CHARACTERIZATION OF THE AETIOLOGIC AGENT OF BUFFALO-POX.

I P Singh S B Singh

Prog Farming 4(3):440-448 REF

Sep 1967 S19.P8

Buffaloes, Chick embryos, Epidemiology, Pox-viruses, Research, Serum neutralization test, Virus diseases (animals).

3589-69

SOME OBSERVATIONS ON EXPERIMENTAL INFECTION WITH HISTOPLASMA FARCIMINOSUM (RIVOLTA) AND THE MORPHOLOGY OF THE ORGANISM.

T Sinjh B M L Varmani

Indian J Vet Sci Anim Husb 37(1):47-57 REF

Mar 1967 41.8 IN22

Epizootic lymphangitis, Histoplasma farciminosum, Microscopy, Plant morphology, Plant physiology.

3590-69

NEWCASTLE DISEASE VIRUS (NDV) IN CELL CULTURES. I. A COMPARATIVE STUDY OF TWO STRAINS IN DIFFERENT CELL SYSTEMS. (POR)

L A Soares O Hipolito L de O. Silva

Minas Gerais Univ Escol Vet Arq 18:71-75 REF

1966 41.9 M662

Cells, Diagnosis, Disease control, Newcastle disease virus, Poultry diseases, Tissue culture, Vaccines, Virology, Virus diseases (animals). English summary.

3591-69

VIRUS INVOLVEMENT IN THE AVIAN HEART: EFFECT ON PROTEIN SYNTHESIS.

R L Squibb M M Lyons W R Beisel

J Nutr 96(4):509-512

Dec 1968 389.8 J82

Amino acids, Biochemistry, Chicks, Deoxyribonucleic acid, Heart, Newcastle disease virus, Proteins, Ribonucleic acid, Virus diseases (animals).

3592-69

A MORPHOLOGICAL STUDY OF THE EXOGENOUS STAGES OF EIMERIA LABBEANA, A PARASITE OF THE COMMON PIGEON, COLUMBA LIVIA.

H K Srivastava

Indian J Vet Sci Anim Husb 37(2):78-86 REF

Jun 1967 41.8 IN22

Cysts, Eimeria, Morphology, Pigeons, Protozoa.

3593-69

VACCINATION AGAINST LEPTOSPIROSIS: PROTECTION OF HAMSTERS AND SWINE AGAINST RENAL LEPTOSPIROSIS BY KILLED BUT INTACT GAMMA-IRRADIATED OR DIHYDROSTREPTOMYCIN-EXPOSED LEPTOSPIRA POMMONA.

O H V Stalheim

Amer J Vet Res 28(127):1671-1676 REF

Nov 1967 41.8 AM3A

Animal diseases, Dihydrostreptomycin, Gamma rays, Hamsters, Immunization, Kidneys, Leptospira pomona, Leptospirosis, Swine, Vaccines.

3594-69

PATHOLOGIC CHARACTERISTICS OF RENAL LESIONS INDUCED BY S(DICHLOROVINYL)-L-CYSTEINE IN CALVES AND RATS.

A C Straffuss J H Sautter

Amer J Vet Res 28(127):1805-1815 REF

Nov 1967 41.8 AM3A

Calves, Dichlorovinyl-L-cysteine, S-, Injections, Kidneys, Lesions, Livestock diseases, Neoplasms, Rats.

3595-69

ELECTRON MICROSCOPIC ASPECTS OF GERMS OF PASTEURILLA ANIMALIUM (P. MULTOCIDA) IN DIFFERENT STAGES OF INCUBATION AND CONSERVATION. (RUS)

D Tacu C Penea

Arch Vet 2(2):71-81 REF

1967 41.8 AR27

Bacteriology, Electron microscopy, Pasteurella multocida, Temperature. English, French and German summaries.

3596-69

INVESTIGATIONS OF THE PROPERTIES OF CAPSULOGENUS STRAINS OF STAPHYLOCOCCUS AUREUS. (GE)

D Tacu N Grigoriu A Tacu

Arch Vet 2(2):83-90 REF

1967 41.8 AR27

Bacteriology, Laboratory animals, Penicillin, Phase-contrast microscopy, Sheep, Staphylococcus aureus. English, French and Russian summaries.

3597-69

FATTY ACID COMPOSITION OF THREE STRAINS OF NEWCASTLE DISEASE VIRUS.

J M Tiffany H A Blough

Virology 37(3):492-494 REF

Mar 1969 448.8 V81

Amino acids, Assay, Fatty acids, Lipids, Newcastle disease virus, Poultry diseases, Proteins, Virology, Virus diseases (animals).

3598-69

CLOVER DISEASE.

E R Tuohy

Inst Vet Insp New S Wales Vet Insp Annu 31:87-88

1967 41.9 IN73

Clover, Livestock diseases, Reproduction, Sheep, Sterility.

3599-69

LEPTOSPIROSIS II.

L H Turner

Roy Soc Trop Med Hyg Trans 62(6):880-899 REF

1968 448.9 R813

Agglutination, Antigens, Bacterial diseases (animals), Leptospirosis, Microscopy, Quantitative analysis, Serological tests, Serum, Volumetric analysis.

3600-69

POSSIBILITY OF DIAGNOSIS OF ECHINOCCOSIS IN BOVINES BY THE COMPLEMENT FIXATION REACTION. (RUS)

N Vartic

Arch Vet 2(2):113-118

1967 41.8 AR27

Antigens, Cattle, Complement fixation, Diagnosis, Echinococcosis, Livestock diseases. English, French and German summaries.

3601-69

ISOLATION OF THE RABIES VIRUS IN FOXES IN ARGENTINA. (SP)

L J Villa C B de Perez Arrieta J F Morris A E

Muniz Vega

Argent Repub Inst Nac Zoonosis Ser Tec (N s)(8):27-38

1961 41.9 AR36

Epidemiology, Foxes, Rabies, Virology, Virus diseases (animals). English summary.

Reprint from Revista de Investigaciones Ganaderas, no. 11.

3602-69

ON ENZOOTICS OF ANAEROBIC ENTEROTOXEMIA IN CALVES. (RUM)

V Volintir R Moga-Minzat M Garoiu P Onica C Oprin

Rev Zootech 18(9):63-68

Sep 1968 49 P943

Anaerobic bacteria, Calves, Clostridium perfringens, Enterotoxemia, Livestock diseases, Mortality.

3603-69

FOOTROT IN SHEEP.

D J Walker

Agr Gaz New S Wales 79(9):550-556

Sep 1968 23 N472

Animal disease transmission, Bacterial diseases (animals), Chloramphenicol, Crop losses, Diagnosis, Drug therapy, Foot rot (animals), Formaldehyde, Fusiformus nodosus, Sheep, Symptomatology.

Diagnostic procedures, treatments, eradication, and sanitary measures for foot rot in sheep are discussed.

3604-69

CAN MASTITIS BE ELIMINATED.

F C Wilkinson

West Aust J Agr (SER 4) 10(1):10-12

Jan 1969 23 W52J

Dairy cattle, Disease control, Livestock diseases, Mastitis, Milking, Quarantine, Testing.

3605-69

ELECTRON MICROSCOPY OF FOWL-POX VIRUS. (PE)

K Zarrin A Afshar A Modjtabei A Riazi

Tehran Univ Vet Fac J 24(3/4):84-93 REF

Sep 1968 41.9 T23

Chorioallantoic sac, Cytoplasm, Electron microscopy, Fowlpox virus, Inclusion bodies, Morphology, Poultry diseases, Virology, Virus diseases (animals). English summary.

ARTHROPODS

3606-69

RUELENE (DOWCO 105) IN THE CONTROL OF HYPODERMA LINEATUM (OESTRIDAE: DIPTERA).

R C Chhabra R M Sharma

Indian J Vet Sci Anim Husb 37(2):96-99

Jun 1967 41.8 IN22

Butyl-2-chlorophenyl methyl methylphosphoramidate, 4-tert-, Cattle, Chemical control (insects), Drenches, Hypoderma lineatum.

3607-69

RELATION OF RATION TO SHORT-NOSED CATTLE LOUSE INFESTATIONS.

D G Ely T L Harvey

J Econ Entomol 62(2):341-344 REF

15 Apr 1969 421 J822

Animal nutrition, Beef cattle, Diet, Haematopinus eurytarnus, Insect behavior, Insect infestation, Parasitic insects. The steers were fed nine different rations.

3608-69

TRANSPLANTATION OF COMMON CATTLE GRUB LARVAE INTO HORSES.

L D Haws B L Swift

J Econ Entomol 62(2):503-504

15 Apr 1969 421 J822

Horses, Hypoderma lineatum, Insect dissemination, Larvae.

3609-69

NEW CONCEPTS FOR CATTLE TICK CONTROL.

K L Hills

Spain; Shell Pub Health Agr News 11(1):10-12

1968 464.8 SP2

Animal disease resistance, Boophilus annulatus, Boophilus annulatus microplus, Cattle, Ddt, Insect control, Insect vectors, Insecticides, Ixodides, Parasitic insects.

3610-69

HORNFLIES TESTED IN ANAPLASMOSIS VECTOR STUDY.

J Love C Hoelscher R Combs

Miss Farm Res 31(12):2

Dec 1968 100 M69M1

Anaplasma marginale, Anaplasmosis, Cattle, Cells, Haematobia irritans, Insect vectors, Livestock diseases, Microorganisms, Research.

3611-69

ARTHROPOD-BORNE VIRAL ZONOSSES IN MALAYA.

N J Marchette R Garcia A Rudnick

Malaysian Vet J 4(2):95-99 REF

Dec 1967 41.9 M292

Arboviruses, Arthropoda, Epidemiology, Insect vectors, Virus diseases (animals), Zoonoses.

3612-69

FLIES AND OTHER INSECTS IN POULTRY HOUSES.

Great Brit Min Agr Fish Food Adv Leaflet (537):1-5

Feb 1968 10 G79LA

Acarina, Alphitobius diaperinus, Chemical control (insects), Diazinon, Dichlorvos, Diptera, Fannia canicularis, Insect control, Insect pests, Insect traps, Poultry houses, Ronnel.

Flies, beetles, mites and other insects are discussed as pests in poultry houses. Chemical control with ronnel, dichlorvos, malathion and diazinon sprays and treated strings are recommended.

PARASITES

3613-69

PARASITES OF FELIS DOMESTICA FROM BELO HORIZONTE, MINAS GERAIS, BRAZIL. (POR)

H M de A. Costa J O Costa M G Freitas

Minas Gerais Univ Escol Vet Arq 18:65-69 REF

1966 41.9 M662

Autopsies, Cats, Helminths, Parasitism, Tables (data). English summary. 10 different parasites are identified.

3614-69

GIANT KIDNEY WORM OF DOG IN TEHERAN AREA (DIOCTOPHYMA RENALE OF DOG). (PE)

A A Amri R Naghshineh B Zakarian

Tehran Univ Vet Fac J 24(3/4):129-143 REF

Sep 1968 41.9 T23

Diagnosis, Dioctophyma renale, Dogs, Kidneys. English summary.

3615-69

THE INCIDENCE OF METASTRONGYLOSIS IN SWINE SLAUGHTERED IN THE MANILA ABATTOIR.

P V Arambulo V P Hicarte A C Ramos

Malaysian Vet J 4(2):136-138

Dec 1967 41.9 M292

Animal diseases, Epidemiology, Lungs, Nematodes, Swine, Vermineous bronchitis.

3616-69

LIVER FLUKE DISEASE CONTROL WITH A NEW MOLLUSCICIDE.

J G Attfield

Spain; Shell Pub Health Agr News 11(1):23

1968 464.8 SP2

Cattle, Drug therapy, Fasciola gigantica, Fasciola hepatica, Fascioliasis, Horses, Livestock diseases, Lymnaea truncatula, Molluscicides, Sheep, Tritylmorpholine, N-.

3617-69

THE LIVER FLUKE IN SHEEP.

C H R Dent

Agr Gaz New S Wales 79(7):404-409 MAP

Jul 1968 23 N472

Animal vectors, Anthelmintics, Cattle, Fasciola hepatica, Liver diseases, Sheep, Snails, Trematoda.

The liver fluke (Fasciola hepatica) causes damage to the liver in cattle and sheep which often results in death of the animal, and always causes weakening and slack-off in fertility and productivity. The life cycle and several control methods are discussed in detail.

3618-69

STUDIES ON THE PATHOGENICITY IN STEPHANOFILARIAL HUMPSORE AMONG CATTLE IN INDIA.

V P S Deorani

Indian J Vet Sci Anim Husb 37(2):87-95 REF

Jun 1967 41.8 IN22

Animal histology, Cattle, Livestock diseases, Parasitic nematodes, Pathogenicity, Stephanofilaria assamensis.

3619-69

OBSERVATIONS OF THE PATHOGENICITY OF D. FILARIA INFECTION AND REPORT OF TREATMENT WITH DICTYCID -- CYANACETHYDRAZIDE.

V P S Deorani

Indian J Vet Sci Anim Husb 37(1):39-46 REF

Mar 1967 41.8 IN22

Chemical control (nematodes), Cyanacethydrate, Dictyicide, Dictyocaulus filaria, Goats, Histopathology, Parasitic nematodes, Pathogenicity.

3620-69

STUDIES ON SCHISTOSOMA NASALE RAO, 1933. I. MORPHOLOGY OF THE ADULTS, EGG AND LARVAL STAGES.

S C Dutt

Indian J Vet Sci Anim Husb 37(4):249-262 REF

Dec 1967 41.8 IN22

Adults, Blood parasites, Cattle, Eggs, Larvae, Livestock diseases, Morphology, Schistosoma.

3621-69

LIPID METABOLISM IN HELMINTH PARASITES--VI. SYNTHESIS OF 2-CIS,6-TRANS FARNESOL BY HYMENOLEPIS DIMINUTA (CESTODA).

G J Frayha D Fairbairn

Compar Biochem Physiol 28(3):1115-1124 REF

Mar 1969 444.8 C73

Biochemistry, Farnesol, Hymenolepis diminuta, Lipids, Metabolism, Synthesis.

3622-69

SOME ASPECTS OF THE CONTROL OF HELMINTHOSIS IN SHEEP.

H ML Gordon

Inst Vet Insp New S Wales Vet Insp Annu 31:88-99

1967 41.9 IN73

Anthelmintics, Chemical control (pests), Helminthiasis, Nematodes, Parasitism, Sheep.

3623-69

FACTORS AFFECTING PROTEIN SYNTHESIS IN HYMENOLEPIS DIMINUTA (CESTODA).

B G Harris C P Read

Compar Biochem Physiol 28(2):645-654 REF

Feb 1969 444.8 C73

Biochemistry, Carbon dioxide, Glucose, Hymenolepis diminuta, Protein synthesis, Radioactive tracers.

3624-69

AN IN VITRO EFFECT OF INSULIN ON GLYCOGEN LEVELS IN THE COMMON LIVER FLUKE, FASCIOLA HEPATICA (LINAELUS, 1758).

W J W Hines

Compar Biochem Physiol 28(3):1443-1447 REF

Mar 1969 444.8 C73

Biochemistry, Fasciola hepatica, Glycogen, Insulin, Metabolism.

3625-69 PARASITES OF SOWS AND PIGS IN EUROPE.

D E Jacobs

Spain; Shell Pub Health Agr News 11(1):16-18
1968 464.8 SP2

Anthelmintics, Ascaris, Dichlorvos, Helminthiasis, Hyostrogylus, Immunity, Livestock diseases, Metastrongylus, Oesophagostomum, Piperazine, Swine, Trichuris, Verminous bronchitis.

3626-69 STUDIES ON THE ACQUIRED RESISTANCE OF SHEEP TO DICTYDCAULUS FILARIA (RUDOLPHI, 1809) RAILLIET AND HENRY, 1907.

G S Kunwar P G Deo

Indian J Vet Sci Anim Husband 37(4):298-304 REF
Dec 1967 41.8 IN22

Dictyocaulus filaria, Immunity, Livestock diseases, Sheep.

3627-69 WENYONELLA PHILIPLEVINEI, N. SP., A COCCIDIAL ORGANISM OF THE WHITE PEKIN DUCK.

L Leibovitz

Avian Dis 7(4):670-681 REF
Nov 1968 41.8 AV5

Coccidae, Coccidiosis, Ducks, Parasitism, Poultry diseases, Wenyonella philiplevinei.

3628-69 NEMATODIRUS DISEASE IN LAMBS.

Great Brit Min Agr Fish Food Adv Leaflet (491):1-3

Feb 1968 10 G79LA

Drug therapy, Grazing, Lambs, Life cycle, Morphology, Nematodirus battus, Nematodirus filicollis.

The life cycle, symptomatology, treatment and protection against Nematodirus infection in lambs are discussed. Grazing lambs on pastures not grazed by lambs the year before and drug therapy are the recommended means of control.

3629-69 STUDIES ON STEPHANOFILARIASIS IN ORISSA. I. INCIDENCE AND SEASONAL VARIATION OF THE DISEASE.

B Patnaik

Indian J Vet Sci Anim Husband 38(1):36-45 REF
Mar 1968 41.8 IN22

Cattle, Chemical control (nematodes), Epidemiology, Livestock diseases, Organophosphates, Verminous dermatitis.

3630-69 STUDIES ON THE SPRING RISE PHENOMENON IN OVINE HELMINTHIASIS I. SPRING RISE IN STABLED SHEEP.

B G Procter H C Gibbs

Can J Comp Med Vet Sci 32(1):359-365 REF
Jan 1968 41.8 C162

Epidemiology, Haemonchus contortus, Helminthiasis, Nematodes, Parasitism, Research, Sheep.

3631-69 THE EFFECT OF HOUSEHOLD FREEZING ON THE INFESTIVENESS OF DIPHYLLOBOTARIUM LATUM FROM FISH TO MAN.

K Salminen

Nord Veterinaermed 20(10):543-556
Oct 1968 41.8 N813

Cestoda, Diphyllbothrium latum, Fish, Freezing, Human diseases, Infestation, Larvae, Public health, Time. Swedish and German summaries.

3632-69 HYDATID DISEASE-DOG TESTING RESULTS, 1 APRIL-13 JUNE 1968.

Tasmanian J Agr 39(3):250

Aug 1968 23 T182T

Dogs, Echinococcosis, Epidemiology, Surveys.

The results of a survey of Tasmanian dogs tested for hydatids in 1968 are compared to those of 1966 and 1967.

3633-69 CLINICAL EFFECTIVENESS OF SULFAMONOMETHOXINE AND SULFADIMETHOXINE IN SPONTANEOUS COCCIDIAL INFECTIONS IN RABBITS.

K Tsunoda S Imai Y Tsutsumi S Inoue

Jap J Vet Sci 30(2):109-117 REF
Apr 1968 41.8 J27

Animal diseases, Biochemistry, Dosage, Drug therapy, Gastrointestinal system, Laboratories, Parasitology, Rabbits, Sulfadimethoxine, Sulfamer. Japanese translation

3634-69 RESEARCH ON PARAMPHISTOMA-INDUCED INFECTIONS IN THE RUMINANTS OF THE TULCEA DISTRICT. (RUM)

G Tudor E Anton

Rev Zootech 18(10):72-82 REF
Oct 1968 49 P943

Cattle, Ecology, Epidemiology, Goats, Infectious diseases, Livestock diseases, Paramphistomum cervi, Sheep, Trematodiasis. English, French and Russian summaries.

3635-69 NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE 1-TETRAMISOLE.

Fed Regist 33(102):7700

24 May 1968 L1.451

Anthelmintics, Cattle, Feed additives, Tetramisole.

COMMODITY PROTECTION

STORAGE DISEASES

3636-69 CHEMICAL TREATMENTS FOR CONTROL OF POSTHARVEST DISEASES.

J W Eckert

Plant Protect Abs 4:189-190

Sep 1968 241.75 P69

Chemicals, Pesticides, Plant diseases, Storage diseases. First International Congress of Plant Pathology, London 14-26 July, 1968.

3637-69 DAMAGE TO SEEDS THROUGH STORAGE ON CHEMICALLY TREATED WOOD. (GE)

O Korting

Anz Schadlingskunde 40(5):68-72
May 1967 421 AN9

Boron compounds, Fluorides, Inhibitors, Lumber preservation, Peas, Rape, Seed germination, Seeds, Storage diseases, Wheat. English summary.

3638-69 LOW TEMPERATURE GROWTH OF SALMONELLA.

J R Matches J Liston

J Food Sci 33(6,NOV-DEC):641-645
1968 389.8 F7322

Agar, Control equipment, Food storage, Growth factors, Incubators, Salmonella, Temperature.

3639-69 BREAKDOWN AND WEIGHT LOSS IN RED JONATHAN APPLES IN CONTROLLED ATMOSPHERE STORAGE.

K J Scott R B H Wills E A Roberts

Australian J Exp Agr Anim Husband 8(34):630
Oct 1968 23 AU792

Apples, Atmosphere, Carbon dioxide, Oxygen, Plant biochemistry, Plant physiology, Storage, Temperature.

ARTHROPODS

3640-69 CHANGES IN THE ARTHROPOD FAUNA OF AN EXPERIMENTAL BULK OF STORED WHEAT.

C W Coombs G E Woodroffe

J Appl Ecol 5(3):563-574 REF

Dec 1968 410 J828

Arthropoda, Insect biology, Insect ecology, Insect pests, Sampling (statistics), Stored products, Wheat.

The following storage pests were introduced and are discussed: Sitophilus granarius, Ptinus tectus, Ptinus pusillus, Oryzaephilus surinamensis, Ahasverus aduena, Hofmannophila pseudospretella and Attagenus pello. Some others gained access such as Endrosis sarcitrella and Niditinea fuscipunctella.

3641-69 SAW-TOOTHED GRAIN BEETLE.

Great Brit Min Agr Fish Food Adv Leaflet (492):1-6

Feb 1968 10 G79LA

Aluminum phosphide, Carbon tetrachloride, Chemical control (insects), Ethylene dichloride, Grain, Humidity, Insect biology, Insecticides, Malathion, Oryzaephilus surinamensis, Sanitation, Stored products, Wheat.

The life cycle, detection, and control of the saw-toothed grain beetle (Oryzaephilus surinamensis) are discussed. Good hygiene in storage areas and spraying with malathion, ethylene dichloride, carbon tetra chloride, and aluminum phosphide are recommended control measures.

3642-69 INSECT PESTS IN FOOD STORES.

Great Brit Min Agr Fish Food Adv Leaflet (483):1-8

Mar 1968 10 G79LA

Chemical control (insects), Chlorinated hydrocarbons, Dichlorvos, Ephestia elutella, Humidity, Lindane, Malathion, Mites, Organophosphorus compounds, Packing, Ptinus, Pyrethrum, Sanitation, Stegobium paniceum, Stored products.

The life cycles of common storage pests and means for detecting their presence are discussed. Storage hygiene, good packing, and the application of lindane, pyrethrum, dichlorvos and malathion are recommended control measures.

MICROBIAL CONTAMINATION

3643-69 A MICROBIOLOGICAL SURVEY OF BRITISH FRESH SAUSAGE.

M J Dowdell R G Board

J Appl Bacteriol 31(3):378-396, REF
Sep 1968 448.39 SO12

Escherichia coli, Food contamination, Microorganisms, Sausages, Streptococcus, Surveys.

3644-69 THE DETECTION OF SALMONELLA ORGANISMS IN MILK POWDER.

A G Frieberg

New Zeal J Dairy Technol 2(2):51-52
Jun 1967 SF221.N4

Culture media, Dairy products, Dried milk, Food contamination, Salmonella.

3645-69 A NOTE ON THE SALMONELLA PROBLEM IN THE UNITED STATES.

J H Henson

New Zeal J Dairy Technol 2(2):53
Jun 1967 SF221.N4

Dried milk, Food contamination, Salmonella, Sanitation, Temperature, United states.

3646-69 PROCESS FOR DETECTING STAPHYLOCOCCENTEROTOXIN IN FOODSTUFFS PATENT 3,408,259.

W H Krueger I M Stojanow G F Meeser

Us Patent Office Offic Gaz 855(5):1346
29 Oct 1968 156.65 OF2

Amphibians, Food, Food contamination, Patents, Spermatozoa, Staphylococci, Temperature, Toxins.

3647-69

INSTRUMENTAL EVALUATION OF AFLATOXIN RESOLUTION ON TLC PLATES.

W A Pons L A Goldblatt

Ass Offic Anal Chem J 51(6):1194-1197 REF

Nov 1968 381 AS7

Aflatoxin, Chromatography, Food contamination, Microbiology, Silica gels.

3648-69

SALMONELLA ORGANISMS IN MILK POWDERS, THE CHARACTERISTICS AND IMPORTANCE OF SALMONELLAE.

J D Sargent

New Zeal J Dairy Technol 2(2):48-51

Jun 1967 SF221.N4

Dairy products, Disease transmission, Dried milk, Enterobacteriaceae, Epidemiology, Food contamination, Human diseases, Microscopy, Salmonella, Salmonellosis, Temperature.

ENVIRONMENTAL CONTAMINATION

3649-69

HCH AND DDT IS FORBIDDEN; SUBSTITUTING CHLORINATED HYDROCARBONS IN THE CONTROL OF COLORADO POTATO BEETLE. (HU)

K Balazs J Bodor

Kertesz Szolész 17(2):47

Jan 1968 80 K474

Benzene hexachloride, Chemical control (insects), Chlorine, DDT, Hydrocarbons, Insecticides, Legislation, Leptinotarsa decemlineata. 11 insecticides are listed.

3650-69

THE DESIGN OF MICROBIOLOGICAL SAFETY CABINETS.

H M Darlow

Chem Indus (45):1914-1916

11 Nov 1967 382 M31C

Accident prevention, Aerosols, Air conditioning equipment, Antiseptics, Equipment, Filters, Fumes, Fumigation, Microbiology, Ventilation.

3651-69

PESTICIDE POLLUTION CONTROL.

H P Nicholson

Science 158(3803):871-876 REF

17 Nov 1967 470 SCI2

Aquatic animals, Carbamates, Chlorine, Hydrocarbons, Pesticides, Phosphorus compounds, Regulations, Water analysis, Water pollution.

3652-69

INVESTIGATION OF THE SOIL OF A VINEYARD FLOODED WITH KEROSENE. (GE)

B Walter

Weinberg Keller 14(9):387-402 REF

Sep 1967 95.8 W435

Grape vineyards, Kerosene, Plant injuries, Residues, Soil contamination, Soil horizons, Soil permeability, Soil profiles, Tables (data). English and French summaries.

RESIDUES

3653-69

THE DETERMINATION OF DIMETHOATE RESIDUES IN FRUITS AND VEGETABLES.*Analyst* 93(1112):756-772 REF

Nov 1968 382 AN1

Aluminum oxide, Chlorides, Chromatography, Dimethoate, Distillation, Fruit, Hydrazine sulfate, Identification, Methodology, Molybdenum, Pesticide residues, Quantitative analysis, Research, Tables (data), Vegetables. This article includes three appendixes

3654-69

DETERMINATION OF DIMETHOATE RESIDUES IN FLUE-CURED TOBACCO.

R J Ashworth

Tobacco (New York) 165(26):63-67 REF

29 Dec 1967 286.89 T552

Chromatography, Dimethoate, Extracts, Flue-cured tobacco, Insecticide residues, Leaves, Testing.

3655-69

THE EFFECTS OF AN ACUTE INSECTICIDE STRESS ON A SEMI-ENCLOSED GRASSLAND ECOSYSTEM.

G W Barrett

Ecology 49(6,AUTUMN):1019-1035 REF

1968 410 EC7

Carbamates, Carbaryl, Ecology, Insecticide application, Insecticide residues, Insecticides, Pastures, Spraying.

3656-69

PESTICIDE TESTING IN DAIRY FACTORY LABORATORIES.

R M Dolby I K Gray

New Zeal J Dairy Technol 2(4):138-140

Dec 1967 SF221.N4

Aldrin, Alkalies, Chemicals, Chromatography, Dairy products, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, Dieldrin, DDT, Equipment, Florisil, Hydrolysis, Laboratories, Lindane, Methodology, Pesticides.

3657-69

HEALTH HAZARDS ASSOCIATED WITH PRODUCTION AND PREPARATION OF FOODS.

N A Fish

Can J Public Health 59(12):463-466

Dec 1968 449.8 P964

Agricultural legislation, Antibiotics, Bacteria, Food contamination, Food processing, Hormones, Microbial contamination, Organic compounds, Pesticide residues, Public health, Viruses.

3658-69

ESTIMATION OF RESIDUES OF URACIL HERBICIDES BY GAS CHROMATOGRAPHY AFTER EVAPORATIVE CO-DISTILLATION.

W H Gutenmann D J Lisk

Ass Offic Anal Chem J 51(3):688-690

May 1968 381 AS7

Chromatography, Distillation, Gases, Herbicide residues, Herbicides, Pesticide residues, Uracil.

3659-69

OSCILLOPOLAROGRAPHIC DETERMINATION OF PARATHION, PARAOXON, AND P-NITROPHENOL IN FORTIFIED CANNED PEACHES FOLLOWING THIN LAYER CHROMATOGRAPHY.

F E Hearsh D E Ott F A Gunther

Ass Offic Anal Chem J 51(3):690-696 REF

May 1968 381 AS7

Canning, Chromatography, Insecticide residues, Nitrophenol, p-, Organophosphorus compounds, Paraoxon, Parathion, Peaches, Polarography.

3660-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. VIABLE SPORES OF THE MICRO-ORGANISM BACILLUS THURINGIENSIS BERLINER.

J K Kirk

Fed Regist 34(74):6655-6656

18 Apr 1969 L1.451

Agricultural legislation, Agricultural products, Bacillus thuringiensis, Biological control (insects), Microorganisms, Pesticides, Regulations, Tolerances.

3661-69

CONCERNING THE INTERRELATIONSHIP BETWEEN SOIL PESTS, WEEDS AND THEIR CONTROL.

M Maceljski

Plant Protect Abs 4:203

Sep 1968 241.75 P69

Ecology, Pest control, Soil insects, Weed control. Notes on pestcontrol vol. 41 no. 6, June 1968, p.81-84, Berlin

3662-69

STUDIES IN PESTICIDE RESIDUES. 3. RONNEL RESIDUES IN THE PERIRENAL AND OMENTAL FAT OF CATTLE FOLLOWING DERMAL APPLICATION.

J E McLaughlin

Queensland J Agr Anim Sci 25(1-2,MAR-JUN):1-5 REF

Jun 1968 23 Q37

Cattle, Chromatography, Fats, Insecticide residues, Ronnel.

3663-69

THE DISPEARANCE OF TRIFLURALIN FROM FIELD SOILS.

S J Parka J B Tepe

Weed Sci 17(1):119-123

Jan 1969 79.8 W41

Degradation, Herbicide residues, Soil analysis, Trifluralin.

3664-69

FACTORS INFLUENCING THE TOXICITY OF AQUEOUS FORMULATIONS OF PYRETHRUM AGAINST AN APHID, MACROSIPHUM EUPHORBIAE (THOMAS). (ABSTRACT).

N Patwa

Pesticide Progr 5(3):77

May 1967 79.8 P434

Aphididae, Formulations, Insecticide application, Macrosiphum euphorbiae, Pyrethrum, Spraying, Surface-active agents, Toxicology. This is the author's abstract taken from Pyrethrum Post 8 (1): 6-7. 1965.

3665-69

MALATHION, METHYL PARATHION, DIAZINON, AND ENDOSULFAN RESIDUES IN SUNFLOWER SEEDS.

N M Randolph H W Dorough G L Teetes

J Econ Entomol 62(2):462-464

15 Apr 1969 421 J822

Diazinon, Endosulfan, Insecticide residues, Malathion, Methyl parathion, Spraying, Sunflower seeds.

3666-69

LABORATORY EVALUATION OF MALATHION AS A PROTECTANT FOR STORED WALNUTS.

G H Spittler P L Hartsell

J Econ Entomol 62(2):305-307

15 Apr 1969 421 J822

Chemical control (insects), Dosage, Insect pests, Insecticide residues, Malathion, Oryzaephilus, Plodia interpunctella, Stored products, Walnuts.

3667-69

COLLABORATIVE STUDY OF THE ETHYL ACETATE EXTRACTION, SWEEP CO-DISTILLATION CLEANUP, AND GLC DETERMINATION, USING SIX PARENT ORGANOPHOSPHATE PESTICIDES.

R W Storherr R R Watts

Ass Offic Anal Chem J 51(3):662-665

May 1968 381 AS7

Acetates, Chromatography, Distillation, Ethyl acetate, Extracts, Field crops, Organic compounds, Pesticide residues, Phosphorus, Research.

3668-69

COLLABORATIVE STUDY OF THREE GAS CHROMATOGRAPHIC DUAL DETECTION SYSTEMS FOR ANALYSIS OF MULTIPLE CHLORINATED AND ORGANOPHOSPHORUS PESTICIDES.

J R Wessel

Ass Offic Anal Chem J 51(3):666-675 REF

May 1968 381 AS7

Chemistry, Chlorine, Chromatography, Gases, Organophosphorus compounds, Pesticide residues, Phosphorus, Research.

TOXICOLOGY

3669-69
ECONOMIC POISONS, WARNING, CAUTION, AND ANTIDOTE STATEMENTS ON LABELS.*Fed Regist* 34(64):6106

04 Apr 1969 L1.451

Accident prevention, Agricultural legislation, Fungicides, Insecticides, Labeling, Pesticides, Regulations, Rodenticides.

3670-69**METABOLISM OF 3,3'-DICHLORO-5,5'-DINITRO-0,0'-BIPHENOL (BAYER 9015) ANTI-FLUKE AGENT IN A LACTATING COW.**

W H Gutenmann D J Lisk

J Dairy Sci 51(12):1977-1979

Dec 1968 44.8 J822

Bayer 9015, Dairy cattle, Drugs, Metabolism, Milk analysis, Pesticide residues, Trematoda.

3671-69**PREVENTING FISH AND WILDLIFE LOSSES.**

E G Hunt

Aerial Appl 5(11):4-7

Nov 1967 333.8 AE8

Aerial dusting, Aerial pest control, Fish culture, Integrated control (pests), Pesticides, Toxicology, Water analysis, Water treatment, Wildlife conservation.

3672-69**PROCESS FOR DE-TOXIFYING SUBSTANCES CONTAMINATED WITH AFLATOXIN. PATENT 3,429,709.**

M S Masri H L E Vix L A Goldblatt

Us Patent Office Offic Gaz 859(4):1205

25 Feb 1969 156.65 OF2

Aflatoxin, Agricultural products, Ammonium, Food contamination, Patents, Temperature.

3673-69**LABORATORY ASSAY OF THE MOLLUSCACIDE, TRIPHENYL-LEAD ACETATE. (POR)**

E Paulini C P de Souza

Rev Brasil Malar Doencas Trop 18(2):247-251

Apr 1966 448.8 R3283

Assay, Eggs, Molluscacides, Mortality, Snails, Triphenyllead acetate. English and Portuguese summaries

Abstract

3674-69**SOME SIGNIFICANT HEALTH ASPECTS OF INSECTICIDAL POISONING.**

D G Steyn

Vitalst- Zivilisationskrankheiten 13(1):32-35 REF

Feb 1968 389.8 V836

Abnormalities, Chemical control (pests), Fertility, Health, Insecticides, Legislation, Toxicology, Vitamins. Continuation from no. 6, 1967. German and French summaries.

PLANT PHYSIOLOGY &
BIOCHEMISTRY**3675-69****METHYL BROMIDE CAN BE DANGEROUS.**

Anonymous

Aust Tob Growers Bull (12):15-17

1968 69.8 AU72

Biochemistry, Fumigants, Methyl bromide, Safety education. New south wales agricultural gazette, australia

3676-69**THE EFFECT OF PRE-PLANTING SEED TREATMENT BY GAMMA RAYS ON THE OXIDATIVE PHOSPHORYLATION IN COTTON LEAVES. (RUS)**

S V Arslonova R A Otakuzineva

Uz Biol Zhur 11(3):11-13

1967 442.8 UZ1

Absorption, Cottonseed, Gamma rays, Irradiation, Oxygen, Phosphorylation, Plant metabolism, Plant physiology, Planting, Seed treatment. English summary.

3677-69**AN ATTEMPT OF BIOCHEMICAL AND SEROLOGICAL CLASSIFICATION OF 24 STRAINS OF THE BACILLUS OF THE TYPE B. THURINGIENSIS.**

H de Barjac A Bonnefoi

Entomophaga 7(1):5-31 REF

1962 421 EN835

Agglutination test, Antigens, Bacillus thuringiensis, Biochemistry, Research, Serological tests. English summary.

3678-69**SPORE GERMINATION TEST AND VICIA FABA PLANT TEST FOR TESTING THE EFFECTIVENESS OF FUNGICIDES AGAINST BOTRYTIS CINEREA. (GE)**

K Bohnen

Weinberg Keller 14(9):405-413

Sep 1967 95.8 W435

Botrytis cinerea, Broadbeans, Fungicides, Fungus diseases (plants), Laboratories, Methodology, Spore germination, Testing.

3679-69**EFFECTS OF FOLIARLY APPLIED DESICCANTS ON SELECTED SPECIES UNDER TROPICAL ENVIRONMENT.**

R W Bovey

Weed Sci 17(1):79-83

Jan 1969 79.8 W41

Cucumbers, D, 2,4-, Defoliants, Dinitrobutylphenol, Diquat, Foliar application, Greenhouse culture, Guavas, Herbicides, Mangoes, Paraquat, Pentachlorophenol, Plant physiology, Plant regulators, Sorghum, T, 2,4,5-.

3680-69**THE INFLUENCE OF DARKNESS ON THE UPTAKE AND MOVEMENT OF DIQUAT AND PARAQUAT IN TOMATOES, SUGAR BEET AND POTATOES.**

R C Brian

Ann Appl Biol 63(1):117-126

Feb 1969 442.8 AN72

Absorption, Diquat, Light, Paraquat, Plant physiology, Plant translocation, Potatoes, Sugar beets, Tomatoes.

3681-69**EFFECTS PRODUCED ON TOMATO PLANTS, LYCOPERSICON ESCULENTUM, BY SEED OR ROOT TREATMENT WITH GIBBERELIC ACID AND INDOL-3YL-ACETIC ACID.**

M E Brown R M Jackson S K Burlingham

J Expt Bot 19(60):544-552 REF

Aug 1968 450 J8224

Azotobacter chroococcum, Biochemistry, Gibberellic acid, Indoleacetic acid, Plant physiology, Plant regulators, Tomatoes.

3682-69**EFFECT OF REPEATED ANNUAL USE OF ATRAZINE ON CORN.**

O C Burnside G A Wicks C R Fenster

Agron J 61(2,MAR-APR):297-299

1969 4 AM34P

Atrazine, Chemical control (weeds), Corn, Crop yields, Herbicide residues, Plant physiology.

3683-69**LABORATORY METHODS FOR TESTING THE EFFECTIVENESS OF FUNGICIDES AGAINST BOTRYTIS CINEREA. (GE)**

P Claus

Weinberg Keller 14(9):403-404

Sep 1967 95.8 W435

Botrytis cinerea, Conferences, Fungicides, Fungus diseases (plants), Grape vineyards, Laboratories, Methodology, Testing.

3684-69**RESPONSE OF WOODY SPECIES TO 2,4-D, 2,4,5-T, AND PICLORAM AS A FUNCTION OF TREATMENT METHOD.**

H D Coble R P Upchurch J A Keaton

Weed Sci 17(1):40-46 REF

Jan 1969 79.8 W41

Climbing plants, D, 2,4-, Foliar application, Herbicides, Methodology, Pesticide application, Picloram, T, 2,4,5-.

3685-69**RESIDUES ON SUGARCANE TISSUES 24 HOURS AFTER APPLICATION OF DIFFERENT FORMULATIONS OF AZINPHOSMETHYL.**

L Davis F Bonner S D Hensley

J Econ Entomol 62(2):505-506

15 Apr 1969 421 J822

Azinphosmethyl, Diatraea saccharalis, Formulations, Insect pests, Insecticide application, Insecticide residues, Sugarcane, Tissue culture.

3686-69**SOYBEAN INJURY FROM TRIAZINE RESIDUES IN SOIL.**

R J Fink O H Fletchall

Weed Sci 17(1):35-36

Jan 1969 79.8 W41

Atrazine, Crop yields, Herbicide residues, Plant injuries, Plant physiology, Simazine, Soybeans, Triazine.

3687-69**DISSIPATION AND PHYTOTOXICITY OF DICAMBA.**

R R Hahn O C Burnside T L Lavy

Weed Sci 17(1):2-8

Jan 1969 79.8 W41

Amiben, Corn, Cucumbers, Degradation, Dicamba, Hydrogen-ion concentration, Light, Phytotoxicity, Plant growth inhibitors, Plant physiology, Seedlings, Soil series, Temperature.

3688-69**THE EFFECT OF 2-CHLOROETHYL TRIMETHYL-AMMONIUM CHLORIDE (CCC) ON THE WATER REGIME OF PLANTS.**

N N Haranjan

Plant Protect Abs 4:195

Sep 1968 241.75 P69

Biochemistry, Chloroethyltrimethylammonium chloride, (2-, Plant physiology, Plant water relations. Fiziol. Rast., 1867, 14:548-51.

3689-69**MODIFICATION OF 2,4-DICHLOROPHENOXYACETIC ACID MOVEMENT IN BEAN PETIOLES BY LIGHT.**

S Harel

Plant Physiol 44(4):615-617

Apr 1969 450 P692

Beans, D, 2,4-, Light, Petioles, Plant growth regulator, Plant physiology.

3690-69**METHOD OF DEFOLIATING AND DESICCATING PLANTS WITH SUBSTITUTED TRIPHENYL PHOSPHATES AND PHOSPHITES. PATENT 3,416,911.**

J Hensel D W Gier

Off Gaz Patent Abst Sect 883

17 Dec 1968 T223.A2

Defoliants, Patents, Phosphates, Phosphites, Plant biochemistry.

3691-69**THE NATURE OF TIBA ACTION.**

R M Irving

Okla Agr Exp Sta Tech Bull (128):15P REF

Aug 1968 100 OK4 (4)

Biochemistry, Molecules, Plant hormones, Plant morphology, Plant physiology, Plant regulators, Triiodobenzoic acid, 2,3,5-.

3692-69**UPTAKE AND TRANSLOCATION OF SUBSTITUTED ANILINE HERBICIDES IN PEANUT SEEDLINGS.**

M L Ketchersid T E Boswell M G Merkle

Agron J 61(2,MAR-APR):185-187

1969 4 AM34P

Absorption, Chromatography, Herbicides, Peanuts, Plant translocation, Seedlings, Trifluralin.

3693-69

HALOTYROSINES AS PLANT ROOT GROWTH STIMULANTS. PATENT 3,436,206.

S Kinoshita N Mukai

Us Patent Office Offic Gaz 861(1):200

01 Apr 1969 156.65 OF2

Plant physiology, Plant regulators, Roots, Tyrosine.

3694-69

MEIOTIC AND MORPHOLOGICAL RESPONSE OF GRAIN SORGHUM TO ATRAZINE, 2,4-D, OIL, AND THEIR COMBINATIONS.

G H L Liang K C Feltner O G Russ

Weed Sci 17(1):8-12 REF

Jan 1969 79.8 W41

Atrazine, Chromosomes, Crop yields, D, 2,4-, Herbicides, Mitosis, Oils, Petroleum, Plant abnormalities, Plant morphology, Sorghum, Spraying.

3695-69

BIOASSAY FOR BENSULIDE, DCPA, AND SIDURON IN TURFGRASS.

A R Mazur J A Jagschitz C R Skogley

Weed Sci 17(1):31-34 REF

Jan 1969 79.8 W41

Bensulide, Biological assay, Dimethyl 2,3,5,6-tetrachloroterephthalate, Grasses, Plant physiology, Seedlings, Siduron, Soil analysis, Turf.

3696-69

BIOSYNTHESIS OF AN ESTROGENIC METABOLITE BY FUSARIUM GRAMINEARUM. (ABSTRACT).

C J Mirocha C M Christensen

Phytopathology 57(8):822

Aug 1967 464.8 P56

Abortion, Corn, Estrogens, Gibberella saubinetii, Metabolites, Plant biochemistry, Storage diseases, Swine, Zearalenone.

3697-69

B-NINE REVERSAL OF BENZIMIDAZOLE-OR IAA-INDUCED INHIBITION OF GROWTH AND YIELD OF COWPEA PLANTS.

D Mishra B Mohanty

J Expt Bot 19(60):567-574 REF

Aug 1968 450 J8224

Benzimidazole, Biochemistry, Cowpeas, Crop yields, Indoleacetic acid, Plant growth inhibitors, Plant physiology, Plant regulators, Succinic acid, 2,2-dimethylhydrazide.

3698-69

MODULATION OF MEDICAGO SATIVA IN SOLUTION CULTURE. IV. EFFECTS OF INDOLE-3-ACETATE IN RELATION TO ACIDITY AND NITRATE.

D N Munns

Plant Soil 29(2):257-262

Oct 1968 450 P696

Alfalfa, Hydrogen-ion concentration, Indoleacetic acid, Nitrates, Nodules (plants).

3699-69

BORON NUTRITION OF SUGAR BEET, COTTON, AND SOYBEAN.

J J Oertli J A Roth

Agron J 61(2,MAR-APR):191-195

1969 4 AM34P

Boron, Cotton, Nutrient solutions (plants), Plant nutrition, Plant physiology, Plant translocation, Soybeans, Sugar beets, Symptomatology.

3700-69

METHOD OF DEFOLIATING PLANTS WITH ORGANOMERCURIALS. PATENT 3,433,620.

L Plonsker N R Wright

Us Patent Office Offic Gaz 860(3):865

18 Mar 1969 156.65 OF2

Defoliant, Defoliation, Mercury, Methodology, Organic compounds, Plant physiology.

3701-69

METHOD OF DEFOLIATING PLANTS WITH ORGANOMERCURIALS. PATENT 3,433,622.

L Plonsker N R Wright

Us Patent Office Offic Gaz 860(3):865

18 Mar 1969 156.65 OF2

Defoliant, Defoliation, Mercury, Methodology, Organic compounds, Plant physiology.

3702-69

METHODS FOR TESTING THE EFFECTIVENESS OF FUNGICIDES AGAINST BOTRYTIS CINEREA. (GE)

E Pommer

Weinberg Keller 14(9):414-417

Sep 1967 95.8 W435

Agar, Botrytis cinerea, Culture media, Filter paper, Fungicides, Methodology, Testing, Warburg apparatus.

3703-69

THE OCCURRENCE OF 20-HYDROXY-EC-DYSON IN VITEX MEGAPOTAMICA. (GE)

H Rimpler G Schulz

Tetrahedron Lett (22):2033-2035

Jun 1967 385 T29

Chemical analysis, Hydroxyecdysone, 20-, Plant hormones, Plant physiology, Vitex megapotamica.

3704-69

EFFECT OF PARAQUAT ON GROWTH OF SCLEROTIUM ROLFII IN LIQUID CULTURE AND SOIL.

R Rodriguez-Kabana E A Curl H H Funderburk

Phytopathology 57(8):911-915 REF

Aug 1967 464.8 P56

Culture media, Fungus diseases (plants), Paraquat, Sclerotium rolfsii, Soils.

Abstract: In liquid cultures growth was greatly reduced, and was accompanied by a similar reduction in glucose uptake. Nitrate and inorganic phosphorus utilization were reduced. CO₂ evolution was restricted.

3705-69

CHEMICAL THINNING OF PEACHES. I. EFFECT OF N-1-NAPHTHYLPHTHALAMIC ACID (PEACH THIN 322) ON FRUIT SET OF HAKUHO PEACHES.

M Sato

Plant Protect Abs 4:194

Sep 1968 241.75 P69

Biochemistry, Chemicals, Naphthylphthalamic acid, N-1-, Peaches, Thinning (fruit). Journal of Japanese Society of Horticultural Science, 1967, 36:21-30.

3706-69

GRAPE LEAF AND BEGONIA TEST FOR TESTING THE EFFECTIVENESS OF FUNGICIDES AGAINST BOTRYTIS CINEREA. (GE)

K Schulze

Weinberg Keller 14(9):417-418

Sep 1967 95.8 W435

Botrytis cinerea, Fungicides, Fungus diseases (plants), Grapes, Leaves, Methodology, Testing.

3707-69

EFFECT OF PROMETRYNE ON ¹⁴CO₂ FIXATION IN COTTON AND SOYBEAN.

H C Sikka D E Davis

Weed Sci 17(1):122-123

Jan 1969 79.8 W41

Carbon dioxide, Cotton, Herbicides, Isotopes, Photosynthesis, Plant biochemistry, Plant growth inhibitors, Plant physiology, Prometryne, Soybeans.

3708-69

RESPONSES OF LETTUCE (LACTUCA SATIVA L.) TO PLANT GROWTH REGULATOR SPRAYS.

K Singh M S Saimbhi

Prog Fanning 4(3):382-387 REF

Sep 1967 S19.P8

Foliar application, Lettuce, Plant physiology, Plant regulators, Spraying, Transplanting.

3709-69

THE RESPONSE OF KENTUCKY BLUEGRASS TO SOIL RESIDUES OF PREEMERGENCE HERBICIDES.

G S Smith L M Callahan

Weed Sci 17(1):13-15

Jan 1969 79.8 W41

Dosage, Greenhouse culture, Herbicide residues, Phytotoxicity, Plant growth inhibitors, Plant physiology, Poa pratensis, Soils. Eleven herbicides were tested.

3710-69

CANDIDA ALBICANS AS A PRODUCER OF SEROTONIN.

B Sokoloff C C Saelhof A Yoshino

Growth 31(3):297-300 REF

Sep 1967 442.8 G91

Candida albicans, Fungi, Gastrointestinal diseases, Heart diseases, Human diseases, Metabolites, Serotonin.

3711-69

EFFECT OF FOLIAR SPRAY OF HORMONES ON THE RHIZOSPHERE MYCOFLORA OF LEGUMINOUS WEEDS.

S B Sullia

Plant Soil 29(2):292-298 REF

Oct 1968 450 P696

Cassia tora, Crotalaria medicaginea, Foliar application, Fungi, Gibberellic acid, Indoleacetic acid, Plant physiology, Rhizosphere, Spraying, Weeds.

3712-69

PERSISTENCE PATTERN FOR DIURON AND LINURON IN NORFOLK AND DUPLIN SANDY LOAM SOILS.

R P Upchurch F T Corbin F L Selman

Weed Sci 17(1):69-77

Jan 1969 79.8 W41

Biological assay, Chemical control (weeds), Corn, Cotton, Crop rotation, Diuron, Dosage, Herbicides, Linuron, Peanuts, Plant injuries, Soil series, Soybeans, Tobacco, Wheat.

3713-69

METHOD OF DEFOLIATING PLANTS WITH ORGANOMERCURIALS. PATENT 3,433,618.

J C Wollensak D W Zutaut K M Christenson

Us Patent Office Offic Gaz 860(3):865

18 Mar 1969 156.65 OF2

Defoliant, Defoliation, Mercury, Methodology, Organic compounds, Plant physiology.

3714-69

GROWTH RESPONSES OF MARQUILLO X KENYA FARMER WHEAT DWARF 1 AND 2 TO GIBBERELIC ACID, KINETIN, AND INDOLEBUTYRIC ACID UNDER CONTROLLED ENVIRONMENTAL CONDITIONS.

Y Yao D T Canvin

Can J Bot 47(1):53-58 REF

Jan 1969 470 C16C

Crop varieties, Gibberellic acid, Growth factors, Indolebutyric acid, Kinetin, Photoperiodism, Plant ecology, Plant physiology, Temperature, Wheat.

CHEMISTRY

3715-69

NOTE ON THE VERSATILITY OF OV-17 SUBSTRATE FOR GAS CHROMATOGRAPHY OF PESTICIDES.

C A Bache D J Lisk

Ass Offic Anal Chem J 51(6):1270-1271

Nov 1968 381 AS7

Chromatography, Organic compounds, Pesticide residues, Silicon compounds.

3716-69

INACTIVATION OF HERBICIDES BY ACTIVATED CARBON AND OTHER ADSORBENTS.

D L Coffey G F Warren

Weed Sci 17(1):16-19 REF

Jan 1969 79.8 W41

CHEMISTRY

3717-69

Adsorption, Bentonite, Biological assay, Carbon, Herbicides, Muck soils, Plant growth inhibitors, Roots, Soil cation exchange.

3717-69

COMBINATION OF THIN-LAYER CHROMATOGRAPHY AND THE RING-OVEN METHOD FOR THE SEMI-QUANTITATIVE ESTIMATION OF SOME HERBICIDES.

F Coha R Kljajic

J Chromatography 40(2):304-307 REF

25 Mar 1969 475 J824

Amiben, Chemical analysis, Chromatography, Diquat, Herbicides, CIPC, Paraquat, Quantitative analysis, Randox.

3718-69

RAPID ANALYSIS OF HALOGENATED ORGANIC INSECTICIDES IN AQUEOUS ANIMAL DIPS, USING SODIUM BIPHENYL.

F P Czech

Ass Offic Anal Chem J 51(3):568-572 REF

May 1968 381 AS7

Chlorinated hydrocarbons, Dipping, Insecticides, Quantitative analysis, Sodium biphenyl.

3719-69

PROCESS FOR UPGRADING MALATHION. PATENT 3,440,305.

R D Divine

Us Patent Office Offic Gaz 861(4):1234-1235

22 Apr 1969 156.65 OF2

Chemical control (pests), Chemistry, Diethyl fumarate, Malathion, Organophosphorus compounds, Patents, Sodium sulfide.

3720-69

METHOD FOR COMBATING UNDESIRE PLANT GROWTH. PATENT 3,429,688.

D Duerr H Aebi L Ebner

Us Patent Office Offic Gaz 859(4):1200-1201

25 Feb 1969 156.65 OF2

Chemical control (weeds), Herbicides, Patents.

3721-69

DEFOLIANT COMPOSITIONS PATENT 3,440,034.

R E Fuller

Us Patent Office Offic Gaz 861(4):1189

22 Apr 1969 156.65 OF2

Ammonium nitrate, Defoliant, Fertilizers, Nitrogen, Patents, Sodium arsenite, Urea.

3722-69

DISSIPATION OF HERBICIDES AT THREE SOIL DEPTHS.

C I Harris E A Woolson B E Hummer

Weed Sci 17(1):27-31

Jan 1969 79.8 W41

Atrazine, Degradation, Fenac, Herbicides, Soil organic matter, Soil series, Temperature.

3723-69

SYNERGISTIC BIOCIDAL COMPOSITIONS AND METHODS. PATENT 3,417,185.

R J Herschler

Off Gaz Patent Abst Sect 931

17 Dec 1968 T223.A2

Chemistry, Patents, Pesticides.

3724-69

COLLABORATIVE STUDY OF INFRARED ANALYSIS OF DICAMBA.

M Malina

Ass Offic Anal Chem J 51(6):1301-1303

Nov 1968 381 AS7

Chemistry, Dicamba, Formulations, Herbicides, Infrared rays, Quantitative analysis, Research.

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3725-69

ERYTHROMYCIN DERIVATIVE AND PROCESS FOR THE PREPARATION THEREOF. PATENT 3,417,077.

H W Murphy V C Stephens J W Conine

Off Gaz Patent Abst Sect 914

17 Dec 1968 T223.A2

Antibiotics, Chemistry, Erythromycin, Patents, Processing.

3726-69

THE DETECTION OF IMIDAZOLES INCLUDING HISTIDINE AND SOME OF ITS DERIVATIVES IN BIOLOGICAL FLUIDS.

A E Pasieka M E Thomas

Can J Biochem 47(1):7-10

Jan 1969 470 C16E

Biochemistry, Electrophoresis, Histidine, Imidazole, Methodology, Research, Urine.

3727-69

GERMICIDAL COMPOSITION. PATENT 3,440,319.

J H Wilson

Us Patent Office Offic Gaz 861(4):1237

22 Apr 1969 156.65 OF2

Bactericides, Chemistry, Hydrogen peroxide, Light, Patents, Sulfites.

ENGINEERING

3728-69

A LABORATORY SPRAYER-FLAMER.

O C Burnside

Weed Sci 17(1):102-104

Jan 1969 79.8 W41

Dosage, Laboratories, Nozzles, Spraying, Spraying equipment, Weed burners.

3729-69

TIFTON ULTRA-LOW-VOLUME NOZZLE TIP.

E A Harrell W W Hare

J Econ Entomol 62(2):526-527

15 Apr 1969 421 J822

Equipment, Nozzles, Pesticide application, Spraying, Sweetcorn.

INDUSTRY

3730-69

AIN'T NUTHIN' AS GOOD AS IT USED TO BE.

C H Harper

Pest Contr Oper News 28(2):14,21

Feb 1968 SB951.A1P4

Aircraft, Pesticide application, Workmen's compensation insurance.

3731-69

PESTICIDE INDUSTRY'S TIES WITH THE P.C.O. s.

L P Quattrochi

Pest Contr Oper News 28(2):9-11,19-20

Feb 1968 SB951.A1P4

Agricultural industries, Agricultural research, Consumers, Industrial relations, Pesticides, Profits.

ECONOMICS

3732-69

SOME COST FIGURES FOR CONCENTRATE SPRAYS.

J E Wright

Amer Fruit Grower 89(2):26,51

Feb 1969 80 G85W

Costs, Fruit, Pesticide application, Spraying.

EDUCATION

3733-69

BEHAVIOR STUDIES ON THE USE OF AGRICULTURAL CHEMICALS.

Agr Sci Rev 5(3,3)S QUARTER):26-29

1967 431.3 AG893

Agricultural education, Herbicides, Insecticides, Pesticide application, Pesticide safety.

The results of a survey of Iowa farmers' knowledge, attitudes, and use of agricultural chemicals and relative information sources are presented.

3734-69

INCLUSION OF BIOLOGICAL OBJECTS IN A DOCUMENTATION CARD INDEX. (GE)

W Laux

Z Angew Entomol 61(4):422-427

May 1968 421 Z36

Economic entomology, Indexes, Insect pests, Plant diseases, Plant protection. Edge-punched and peek-a-boo cards. english summary.

REGULATIONS

3735-69

THE PROMULGATION OF A MAXIMUM TOLERANCE LEVEL ORDINANCE (PLANT PROTECTION). (GE)

Anonymous

Gesunde Pflanzen 19(2):21-29

Feb 1967 464.8 G33

Food, Legislation, Plant protection, Time, Tolerances. Text of ordinance of 30 Nov. 1966 is included.

3736-69

LABELING CLAIMS INVOLVING USE OF TERM GERM PROOF AND RELATED TERMS IN LABELING OF ECONOMIC POISONS. PROPOSED INTERPRETATION UNDER FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT.

H W Hays

Fed Regist 34(65):6194

05 Apr 1969 L1.451

Agricultural legislation, Bacteria, Fungicides, Insecticides, Labeling, Pesticides, Regulations, Rodenticides.

3737-69

REGULATIONS FOR THE ENFORCEMENT OF THE FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT. PESTICIDES CONTAINING PHOSPHORUS PASTE.

H W Hays

Fed Regist 34(56):5537

22 Mar 1969 L1.451

Agricultural products, Fungicides, Insecticides, Labeling, Phosphorus, Poisons, Regulations, Rodenticides.

3738-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. SURFACTANTS.

H L Ley

Fed Regist 34(63):6041-6043

03 Apr 1969 L1.451

Agricultural products, Formulations, Pesticides, Regulations, Surface-active agents, Tolerances.

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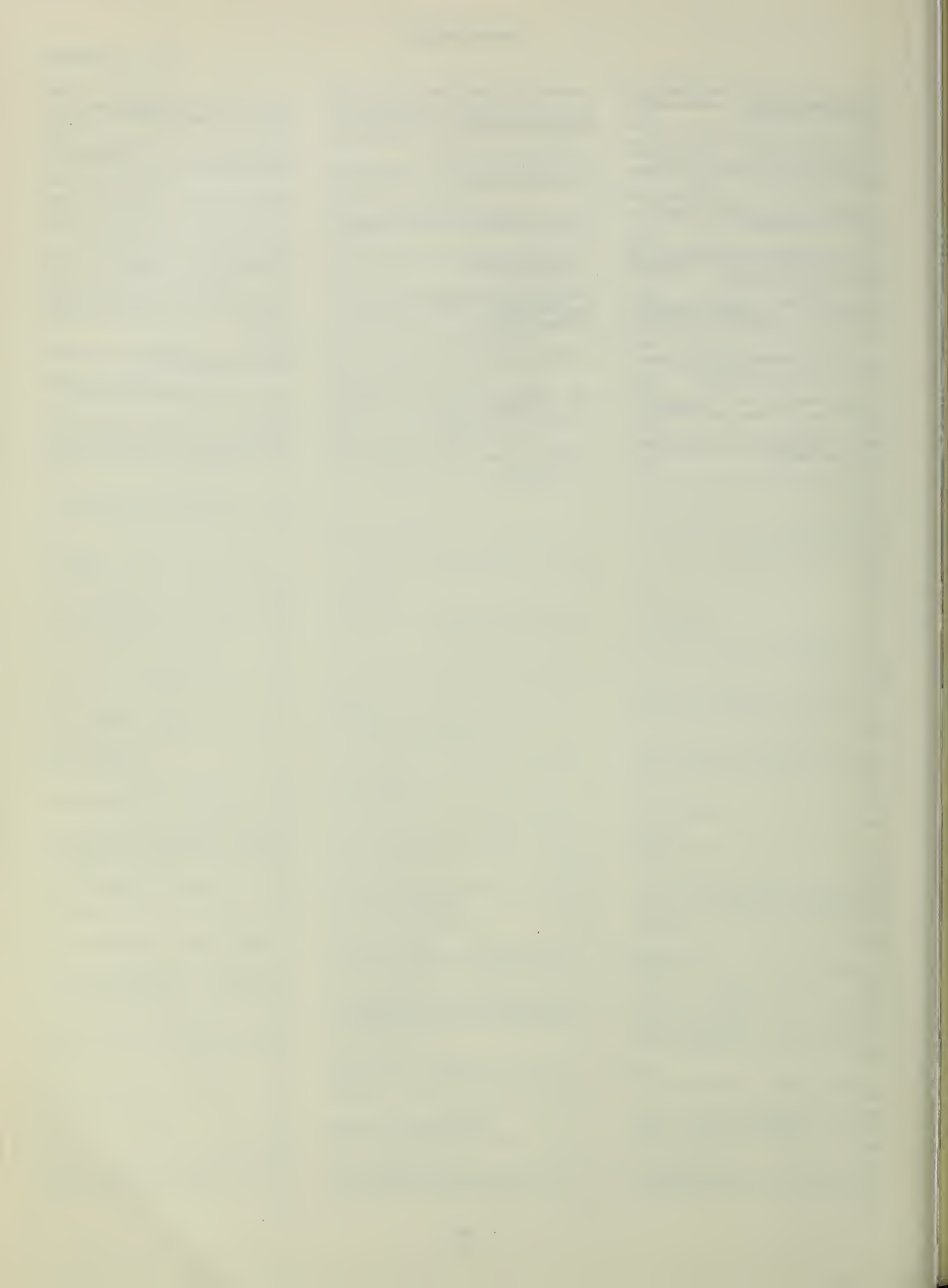
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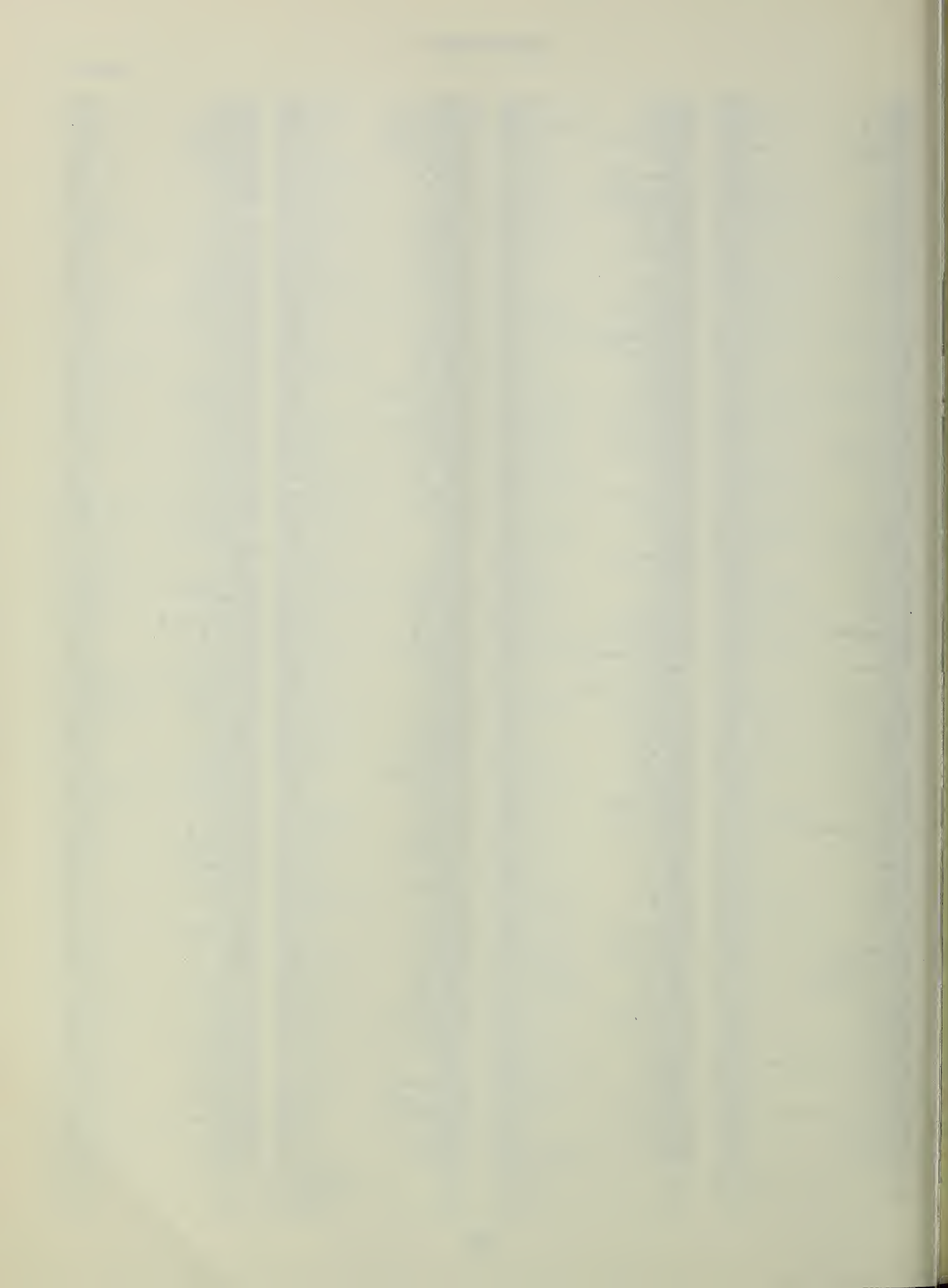
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